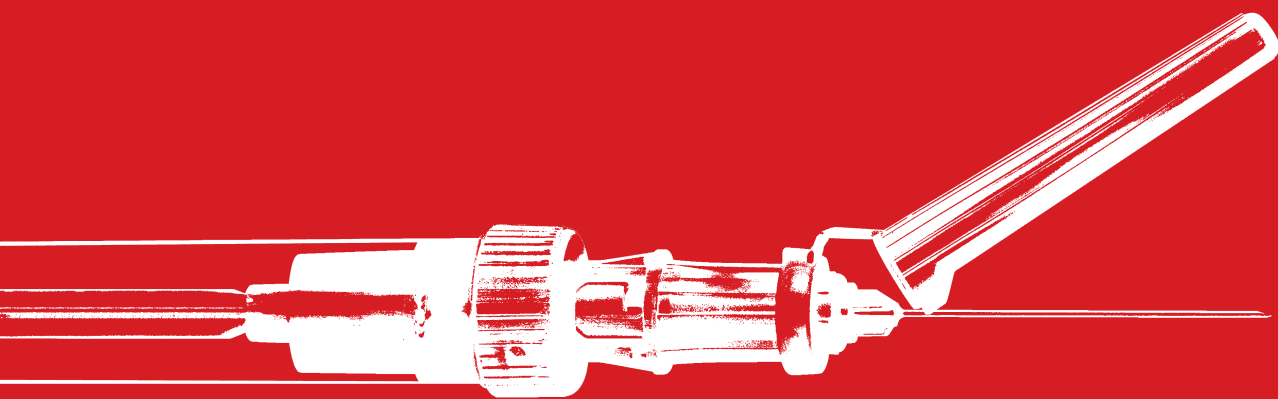




SARSTEDT



Catalogue 2023



Your partner in medicine and science worldwide

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For people, by people – everything from a single source

The SARSTEDT Group is an international company headquartered in Nümbrecht, Germany. We distribute our products using our own 36 sales organisations as well as an extensive dealership network.

We produce almost all of the products in our extensive portfolio for diagnostics and laboratory automation, life science, hospitals and transfusion in 15 state-of-the-art production sites in Europe, North and South America and Australia.

The use of our products on patients themselves as well as in research and development laboratories requires a high quality standard that we meet with our modern, integrated quality management system in line with EN ISO 13485.

As a responsibly managed family business with 3,000 employees around the world, our company processes are based on value orientation and sustainability. Since the company was founded in 1961, customer proximity, innovation and quality have thus been our top priorities and are continuously further developed.

Motivated and qualified employees at our international sites form a direct link between you and the SARSTEDT Group. With the highest level of expertise and innovative technologies, we guarantee optimal SARSTEDT quality, as the health and safety of our patients and users as well as reproducible research results are always at the centre of what we do.







Commitment to sustainability and environmental protection

The whole world including our global community is on the cusp of a major change. Climate change will continue to be a factor in the future and impact our day-to-day lives in a variety of ways. As a result, it is essential to develop environmentally friendly and ecological technologies and implement them wherever possible.

As a family-owned plastics processing company, we believe it is important to look beyond our business goals and take particular responsibility for future generations. There is currently no alternative to using non-recycled polymers in plastic injection moulding to produce our high-quality medical devices and laboratory products, as our customers around the world rely on the highest grades of purity and safety certifications to ensure optimal patient care and compliance with the stringent requirements for laboratory work. In light of this, we aspire to live, promote and consistently expand sustainability.

Commitment to sustainability and environmental protection

SARSTEDT is committed to ecological sustainability and environmental protection for present and future generations. Our goal is to ensure carbon neutrality with regard to fuels, propellants and externally sourced energy. With the certification of our company according to the internationally recognised ISO 14001 standard, we anchor sustainability and environmental protection in the operational processes of our organisation. To ensure that the environmental aspects are fully taken into account, our environmental management system is also integrated into the EN ISO 13485 quality management system.

An effective environmental management system results in:

- Reducing emissions, waste and wastewater
- Reducing costs through the targeted use of resources
- Reducing negative environmental impacts
- Improving legal security through compliance with environmental standards
- Identifying sources of error with regard to environmental management at an early stage
- Encouraging environmentally conscious conduct by staff
- Improving the perception of the company among customers, partners and the public



We are certified

Our sites in Oberberg, Hemer and Rheinbach are managed according to a recognised company environmental management system in line with the ISO 14001 certification. Sustainability no longer applies only to the products themselves, but also the way in which they are produced. That is why we act in an environmentally aware manner along our entire value chain.



CO₂ reduction

One of our primary goals is total carbon neutrality with regard to the use of fuels, propellants and electricity. We already use carbon-neutral green energy at all our sites in Germany. We continue to consistently implement the expansion of our green energy supply to all sites worldwide.



We recycle

As a plastics processing company, recycling is a key topic for us. Even if there is still no alternative to using virgin plastic in many areas of the medical and laboratory sectors, we rely on recycling products and materials wherever possible.



We rely on renewable energy

The goal of our sustainability strategy is to progressively expand the use of renewable energy. By consistently using renewable energy, e.g. with photovoltaic systems on the rooftops of our production halls, we make a significant contribution to sustainability.



We practice sustainable development

As part of our product development process, we focus on sustainable materials management. With our revolutionary boxing and refilling concept for pipette tips, we offer an innovative solution for sustainable laboratory work. 70% less storage space. 64% less material.



We initiate environmental projects

With a variety of nature restoration projects, we ensure biodiversity, species conservation and the conversion of CO₂ into oxygen.



Focus on people

Our venous blood collection products have been developed by people, for people – driven by the goal of continuously improving the patient outcome.

Our S-Monovette® blood collection system marks a significant contribution toward the quick, error-free analysis of blood samples, ensuring your patients receive their care in the quickest and most effective way possible.

The high quality of the blood samples collected with the S-Monovette® system is due to the gentle aspiration technique. It has been proven* to significantly reduce the haemolysis rate compared to blood collection with a vacuum. As a result, erythrocytes remain intact and blood collection does not have to be repeated as often.

Another feature of the S-Monovette® safety needles and Safety-Multify® needles is that they can be used right away. There is no need to install a needle holder. Only ready-to-use systems such as these needles offer reliable protection from infection by contaminated, reused needle holders.

This is how we contribute to the quick recovery of your patients. After all, our focus is on people.

* Lippi, et al. Prevention of haemolysis in blood samples collected from intravenous catheters. *Clin Biochem* 2013;46:561-564; DOI: 10.1016/j.clinbiochem.2013.01.021.
Millius et al The "EPIQ" Study (Evaluation of preanalytical quality): S-Monovette® in manual aspiration mode drastically reduces haemolytic samples in head-to-head study. *Practical Laboratory Medicine* 2021; 27 e00252; DOI: 10.1016/j.plabm.2021.e00252.



Venous blood collection

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S-Monovette® – the innovation in blood collection

The deeper membrane prevents contact with blood at the puncture site of the membrane. Guaranteed protection from infection for users.

The holding tabs guarantee that a reliable closure is created between the S-Monovette® and S-Monovette® safety needle.

The screw cap makes the S-Monovette® easy to open, thereby minimising the aerosol effect.

The transparent product label allows optimal visual assessment of the sample quality.

The S-Monovette® is available from a volume of 1.1 ml

The combination of plunger and plunger rod allows blood to be collected with both the aspiration technique and the vacuum technique.



A blood collection system for all vein conditions, for young and old

The global aging population has resulted in added requirements in medical care and also in blood collection. The S-Monovette® with the aspiration technique guarantees successful blood collections from difficult or sensitive veins in older people, critical patients or even children.

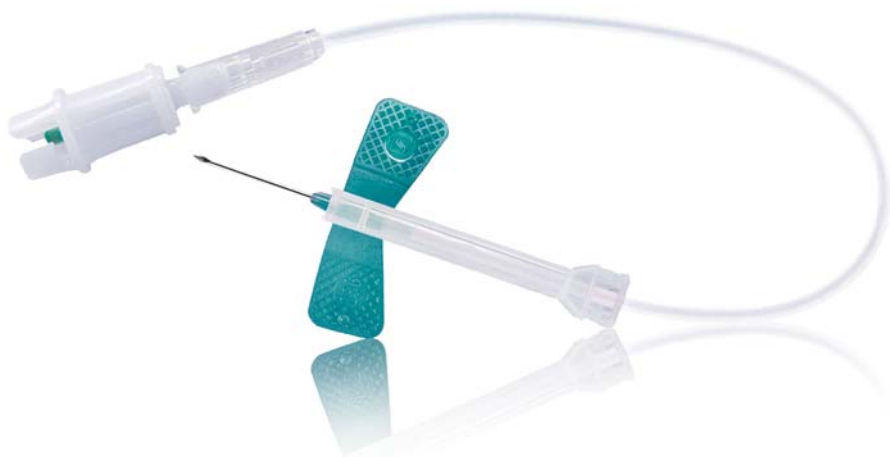


S-Monovette® – the innovation in blood collection

Due to the gentle aspiration technique, the S-Monovette® blood collection system is suitable for all vein conditions, from young to old. We can guarantee optimal sample quality and therefore the best results thanks to our revolutionary blood collection system.

This also includes a well-designed, environmentally friendly packaging concept to reduce waste and a ready-to-use system for our needles. All of our needles can be used straight out of the packaging and allow users to work quickly –there is no assembly required as the needles are available exclusively with integrated holders.

In addition to a premium blood collection system, we support our customers in their everyday work with a pre-analytical consulting group. A global team of experts is available for any pre-analytical questions, areas needing improvement or product training.





The S-Monovette® – reduces haemolysis

International studies* show that haemolysis is a serious issue in emergency rooms and ICUs. The gentle aspiration technique of the S-Monovette® has been proven* to reduce haemolysis rates, with a positive impact on your processes and patient outcome.

- Proven to reduce haemolysis rates due to the gentle aspiration technique
- Optimal sample quality
- Also suitable for difficult vein conditions, such as in geriatrics, oncology or paediatrics
- One system – 2 techniques: Aspiration technique and vacuum technique combined in the S-Monovette®

* Lippi, et al. Prevention of haemolysis in blood samples collected from intravenous catheters. *Clin Biochem* 2013;46:561-564 ; DOI: 10.1016/j.clinbiochem.2013.01.021.
Millius et al. (title in italics) The "EPIQ" Study (Evaluation of preanalytical quality): S-Monovette® in manual aspiration mode drastically reduces haemolytic samples in head-to-head study. *Practical Laboratory Medicine* 2021; 27 e00252; DOI: 10.1016/j.plabm.2021.e00252.



S-Monovette®



Standard tube

The system for all cases

One of the main causes of haemolysis is the forces exerted on the cell membranes during blood collection. Collecting blood with the aspiration technique considerably reduces these forces as the blood flows gently into the S-Monovette®. The benefits of this collection technique are particularly apparent when vein conditions are difficult, such as in geriatrics, oncology or paediatrics.

Optimal sample quality

The high quality of the blood samples collected with the S-Monovette® is due to the gentle aspiration technique. It has been proven* to significantly reduce haemolysis rates compared to blood collection with a vacuum.

One system – 2 techniques combined in the S-Monovette®

- Suitable for all vein conditions
- Optimal sample quality
- Economical
- Safe



SARSTEDT pre-barcode

Utilise all the advantages of digital pre-analytics with our pre-barcode sample tubes.

This does away with manually attaching the patient label, a considerable source of error. At the same time, you speed up your internal workflows and save valuable resources while enjoying the certainty that patients are not being potentially mixed up.

The result is complete, digital process transparency in your pre-analytics, where factors that impact the analysis are recorded and taken into account in terms of sample quality.



Aspiration technique



Vacuum technique



40%
CO₂e reduction*

32%
less material used*

* Compared to vacuum systems

Reduce CO₂e** with the S-Monovette®!

Compared to vacuum systems, if you take 200 blood samples a day each year, you'll save as much CO₂e as 116 trees***.

** To compare different greenhouse gasses, these are converted according to their global warming potential into CO₂ equivalent (CO₂e). (German Environment Agency [Umweltbundesamt], 2023. CO₂ equivalent)

*** 22 kg CO₂ / tree / year (European Environment Agency (EEA), 2021. Forests, health and climate change)



Advantages of the S-Monovette® compared to vacuum systems

Our contribution towards greater ecological sustainability for every blood collection.

The CO₂e and material reduction were recorded by evaluating the weight and the materials used. To compare blood collection systems, three S-Monovettes were compared with three vacuum tubes, including their associated needles.

The result of this examination* clearly highlights the ecological advantages of using the S-Monovette® blood collection system:

- 40% less CO₂e per blood sample
- 32% less material used compared to vacuum systems
- 93% less rubber with the S-Monovette® cap
- 10% lower emissions by using PP instead of PET
- 100% certified green energy used during production

* We are happy to share the bases for our calculation with you - please contact us.



Environmentally friendly cardboard packaging

The S-Monovette® comes in a user friendly cardboard packaging that allows environmentally neutral disposal. Furthermore it saves storage space through compact packaging of 50 pieces and can be folded flat to considerably reduce waste volume.



Reduced waste volume through slim needles and adapters

Due to the slender, ergonomic design, the S-Monovette® safety needle, Safety-Multifly® needle and Luer adapter ensure savings of the number of disposal boxes required and therefore a reduction of waste volume and costs.





Paediatrics - children – our most sensitive patient group

Especially gentle blood collection is required for children. The demands placed on blood collection systems in this particular group are quite unique. Considering these requirements, we have developed paediatric-specific collection systems that make the process of collecting blood from our smallest patients as gentle and painless as possible.



S-Monovette® Paediatrics and short Safety-Multifly® needle

The sensitivity of modern analysis systems makes it possible to reduce the sample volume required to conduct comprehensive routine tests. The S-Monovette® Paediatrics meets these stringent requirements with its special design with smaller dimensions and a lower nominal volume. Thanks to the option of gentle blood collection using the aspiration technique, the S-Monovette® Paediatrics is the ideal solution for difficult vein conditions in combination with the Safety-Multifly® needle with short tubing.



Micro sample tube and micro needle

The micro needle was developed to meet the specific needs of neonatology and has a grooved holder that ensures optimum and safe puncture. The short design of the needle means minimal blood loss during sample collection.

The micro sample tubes are optimal for gravity-flow collection in combination with the micro needle. Micro sample tubes are available in the classic preparations as well as in designs with a screw cap or a soft push cap.



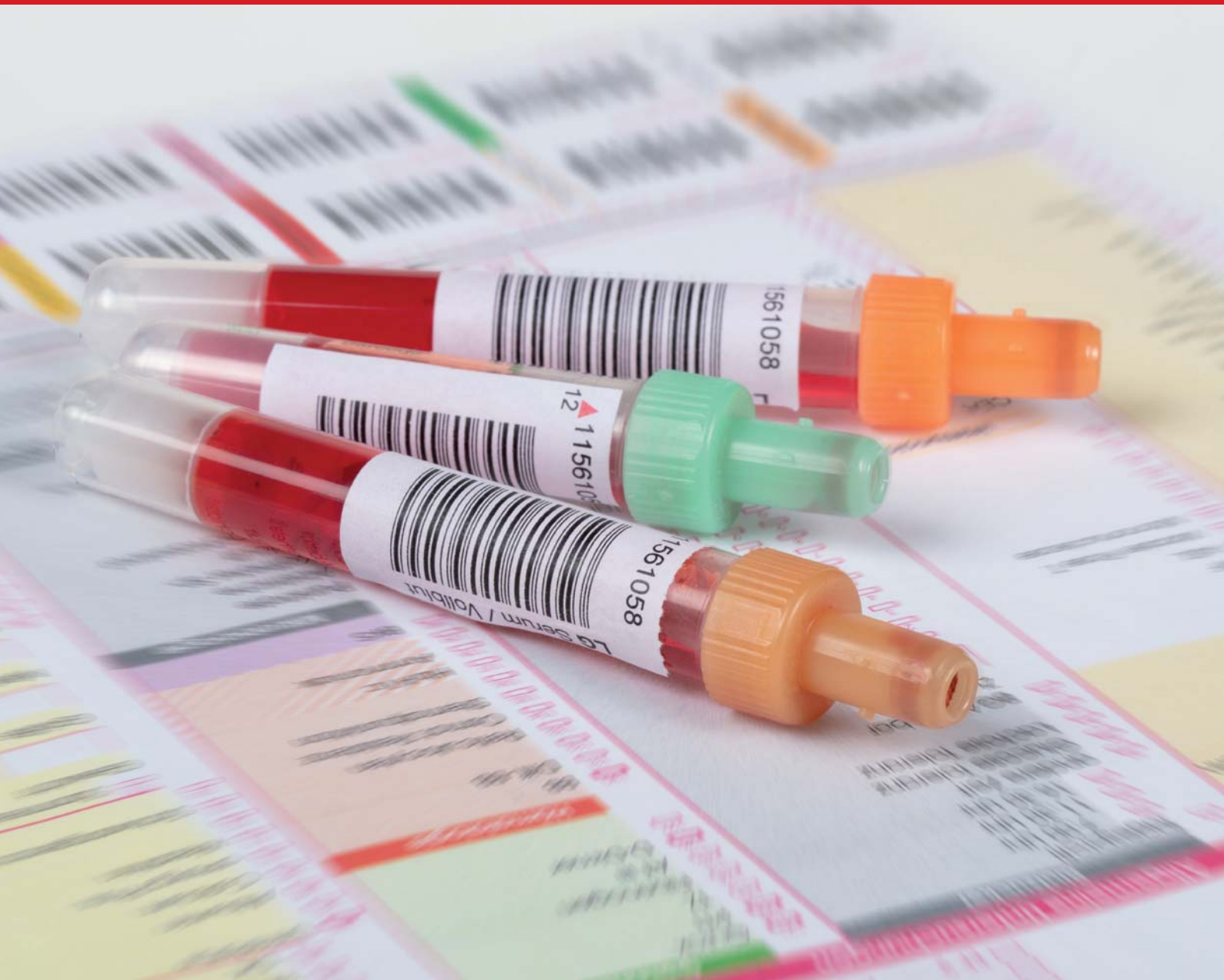
Microvette® and safety lancet

The Microvette® is available in all important preparations and offers the widest range of volumes (100-500 µl) on the market. The specimen can be collected flexibly either with the end-to-end capillary and/or the collection rim depending on the volume. Depending on the requirements, the inner shape is either a cylindrical or conical tube. There is also a variant for automated processing on blood count analysis systems.

Blood can either be collected using capillary tubes or by venipuncture using the tube rim.

Different versions of the safety lancet offer flexibility in the penetration depth and the required quantity of blood. The needle and blade are always safely within the lancet casing before and after use, which prevents needlestick injuries and cross-contamination.





Special analytics – S-Monovettes for particular requirements

Today, the questions that arise in laboratory medicine are becoming more and more complex and nuanced. This also results in a rise in requirements for blood as a sample material. Particularly the S-Monovette® systems such as the S-Monovette® GlucoEXACT stabilises glucose in whole blood for up to 96 hours or the S-Monovette® ThromboExact allows false low platelet counts due to pseudothrombocytopenia to be ruled out and the S-Monovette® Hirudin allows sensitive platelet function tests from native blood to be performed.



S-Monovette® Serum Gel LightPROTECT – light protection from blood collection to archiving

Light protection is provided by the special white coating on the S-Monovette® tubes and is guaranteed from the time of blood collection to opening the specimen in the laboratory. This S-Monovette® can be labelled and processed as normal. Direct legibility and therefore the usual convenient specimen identification are maintained.

The S-Monovette® Serum Gel LightPROTECT eliminates the inconvenience of wrapping the blood sample, e.g. in aluminium foil/aluminium foil + tape. This also enables an effortless contribution to greater sustainability in the workplace by saving resources (aluminium foil).



S-Monovette® cfDNA Exact – excellent stabilisation of liquid biopsy samples

The biomarker cfDNA plays an increasing role in the early detection of transplant rejections and non-invasive prenatal tests, as well as the molecular characterisation and treatment monitoring of cancers.

The S-Monovette® cfDNA Exact stabilises cfDNA for up to 14 days at up to 37 °C and prevents gDNA from nucleated cells from being released during this time.

This innovative blood collection system standardises the pre-analysis of liquid biopsy samples and guarantees excellent sample quality as well as accurate results.



S-Monovette® RNA Exact – for standardising gene expression analyses

Our new S-Monovette® RNA Exact begins preserving the gene expression pattern during blood collection and enables all follow-up analyses to be performed. The innovative preparation solution prevents an unnatural gene expression from occurring after the sample is taken (stress-induced gene expression).

Total RNA (mRNA, miRNA, etc.) is stabilised for up to 5 days at room temperature and the sample can be isolated much more quickly. The S-Monovette® RNA Exact guarantees maximum flexibility during sample processing with minimal time required and standardises gene expression analyses.



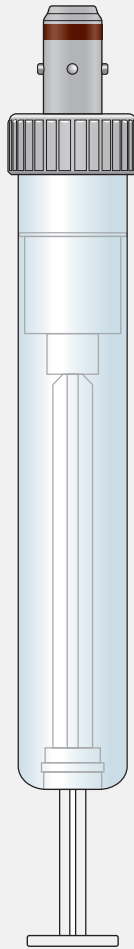
S-Monovette® blood collection system

Preparation	Preparation abbreviation or letter code (ISO 6710:2017)
Serum	CAT
Serum gel	CAT gel
Lithium heparin	LH
Lithium heparin gel	LH gel
Lithium heparin gel*	LH gel*
Sodium heparin	NH
Ammonium heparin	AH
Citrate 3.2%	9NC / Citrate 3.2%
K3 EDTA	K3E
K2 EDTA Gel	K2E gel
Fluoride/EDTA	FE
Fluoride/Heparin	FH
GlucOEXACT	FC
Homocysteine HCY-Z gel	HCY-Z gel
Homocysteine HCY-C	HCY-C
Metal analysis	Metal analysis LH
ThromboExact	ThromboExact
CTAD	CTAD
PFA (Citrate/Buffer 3.8%)	9NC/Citrate/Buffer 3.8%
Hirudin	Hirudin
CPDA	CPDA
DNA Exact	DNA Exact
ESR, Citrate, 4NC	4NC (ESR)
Without preparation	Z

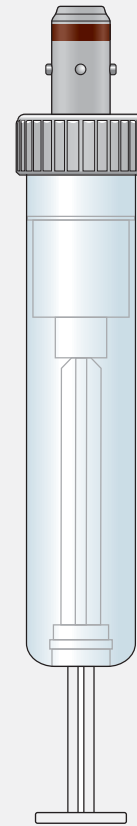
Preparation	Volume ml
CAT	7.5
CAT gel	7.5
LH	7.5
LH gel	7.5
NH	7.5
AH	7.5
9NC / Citrate 3.2%	8.2
K3E	7.5
K2E gel	7.5
Metal analysis LH	7.5
CPDA	8.8
Z	7.5

Preparation	Volume ml
CAT	5.5
CAT gel	4.7
LH	5.5
LH gel	4.7
K3E	4.0

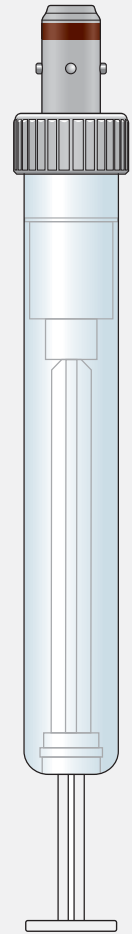
Preparation	Volume ml
CAT	4.9
CAT gel	4.9
LH	4.9
LH gel	4.9
LH gel*	4.9
9NC / Citrate 3.2%	5.4
K3E	4.9
K2E gel	4.9
CPDA	5.7
Z	4.9



15 x 92 mm
18 mm
108 mm



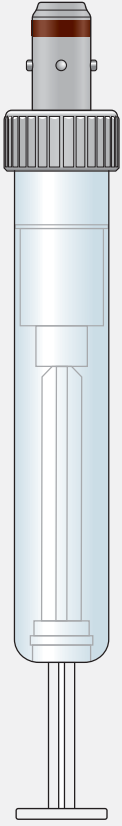
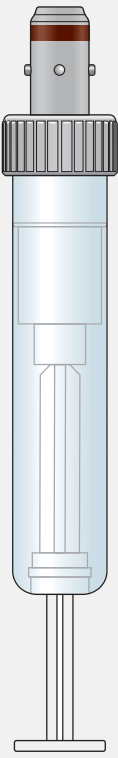
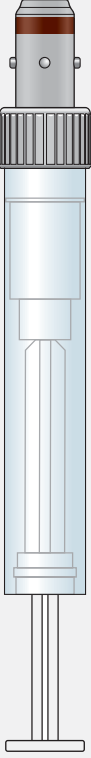
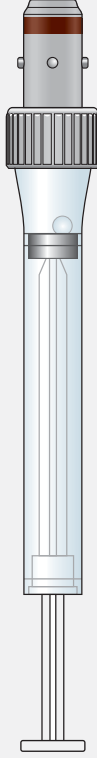
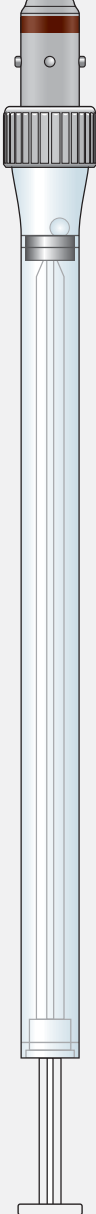
15 x 75 mm
18 mm
91 mm



13 x 90 mm
16 mm
106 mm

Ø x length* without screw cap
Ø outer screw cap
Length* with screw cap

* without plunger rod

Preparation	Volume ml	Preparation	Volume ml	Preparation	Volume ml	Preparation	Volume ml	Preparation	Volume ml
CAT	2.7/4.0	CAT	2.6	CAT	2.7	CAT	1.2	ESR	3.5
CAT gel	2.7/4.0	CAT gel	2.6	LH	2.7	CAT gel	1.1		
LH	2.7/4.0	LH	2.6	9NC/Citrate 3.2%	3.0	LH	1.2		
LH gel	2.7/4.0	LH gel	2.6	K3E	1.6/2.7	LH gel	1.1		
LH gel*	2.7/4.0	NH	2.6	FE	2.7	9NC/Citrate 3.2%	1.4		
9NC/Citrate 3.2%	1.8/3.0/4.3	9NC/Citrate 3.2%	2.9	FH	2.7	K3E	1.2		
K3E	2.7/4.0	K3E	1.8/2.6/3.4	FC	2.7	FE	1.2		
FE	2.7	FE	2.6	ThromboExact	2.7				
FC	2.7	CTAD	2.9	4NC (ESR)	2.0				
HCY-Z gel	2.7	9NC/Citrate/Buffer 3.8%	3.8	Z	2.7				
Hirudin	1.6								
DNA Exact	2.7								
									
13 x 75 mm		13 x 65 mm		11 x 66 mm		8 x 66 mm		8 x 130 mm	
16 mm		16 mm		13 mm		13 mm		13 mm	
91 mm		81 mm		82 mm		82 mm		146 mm	



S-Monovette® Serum Gel

Preparation Purity

Clotting activator/gel Sterile

- For serum extraction (CAT)
- Preparation: Spherules coated with a clotting activator (silicate) and gel (polymer-based)
- Thanks to this clotting activator, blood coagulation is usually complete after 20-30 minutes and the sample can be centrifuged. Due to its density, the gel forms a stable separation layer between the serum and blood clot during centrifugation and acts as a barrier during transport, storage and analysis of the sample.
- Centrifugation: min. 2,000 x g - max. 4,000 x g
- For use in: Clinical chemistry, immunology, serology

Nominal volume	Ø	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
1.1 ml	8 mm	66/82 mm	Writeable/□/■	■	50 / 50 / 500		06.1667.001
2.6 ml	13 mm	65/81 mm	Not writeable/⊗/■	■	50 / 50 / 500		04.1905
2.6 ml	13 mm	65/81 mm	Writeable/□/■	■	50 / 50 / 500		04.1905.001
2.7 ml	13 mm	75/91 mm	Writeable/□/■	■	50 / 50 / 500		04.1923.001
2.7 ml	13 mm	75/91 mm	Pre-barcode/□/■	■	50 / 50 / 500		04.1923.088
4 ml	13 mm	75/91 mm	Not writeable/⊗/■	■	50 / 50 / 500		04.1925
4 ml	13 mm	75/91 mm	Writeable/□/■	■	50 / 50 / 500		04.1925.001
4 ml	13 mm	75/91 mm	Pre-barcode/□/■	■	50 / 50 / 500		04.1925.088
4.7 ml	15 mm	75/91 mm	Not writeable/⊗/■	■	50 / 50 / 500		03.1524
4.7 ml	15 mm	75/91 mm	Writeable/□/■	■	50 / 50 / 500		03.1524.001
4.9 ml	13 mm	90/106 mm	Not writeable/⊗/■	■	50 / 50 / 500		04.1935
4.9 ml	13 mm	90/106 mm	Pre-barcode/□/■	■	50 / 50 / 500		04.1935.088
4.9 ml	13 mm	90/106 mm	Writeable/□/■	■	50 / 50 / 500		04.1935.001
7.5 ml	15 mm	92/108 mm	Not writeable/⊗/■	■	50 / 50 / 500		01.1602
7.5 ml	15 mm	92/108 mm	Writeable/□/■	■	50 / 50 / 500		01.1602.001
7.5 ml	15 mm	92/108 mm	Pre-barcode/□/■	■	50 / 50 / 500		01.1602.088



S-Monovette® Serum

Preparation Purity

Clotting activator Sterile

- For serum extraction (CAT)
- Preparation: Spherules coated with a clotting activator (silicate)
- Thanks to this clotting activator, blood coagulation is usually complete after 20-30 minutes and the sample can be centrifuged. Due to their density, the spherules settle during centrifugation between the serum and blood clot.
- Centrifugation: min. 2,000 x g - max. 4,000 x g
- For use in: Clinical chemistry, immunology, serology

Nominal volume	Ø	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
1.2 ml	8 mm	66/82 mm	Writeable/□/■	□	50 / 50 / 500		06.1663.001
2.6 ml	13 mm	65/81 mm	Not writeable/☒/□	□	50 / 50 / 500		04.1904
2.6 ml	13 mm	65/81 mm	Writeable/□/■	□	50 / 50 / 500		04.1904.001
2.7 ml	13 mm	75/91 mm	Writeable/□/■	□	50 / 50 / 500		04.1943.001
2.7 ml	13 mm	75/91 mm	Pre-barcoded/□/■	□	50 / 50 / 500		04.1943.088
4 ml	13 mm	75/91 mm	Not writeable/☒/□	□	50 / 50 / 500		04.1924
4.9 ml	13 mm	90/106 mm	Not writeable/☒/□	□	50 / 50 / 500		04.1934
4.9 ml	13 mm	90/106 mm	Writeable/□/■	□	50 / 50 / 500		04.1934.001
4.9 ml	13 mm	90/106 mm	Pre-barcoded/□/■	□	50 / 50 / 500		04.1934.088
5.5 ml	15 mm	75/91 mm	Not writeable/☒/□	□	50 / 50 / 500		03.1397
5.5 ml	15 mm	75/91 mm	Writeable/□/■	□	50 / 50 / 500		03.1397.001
7.5 ml	15 mm	92/108 mm	Not writeable/☒/□	□	50 / 50 / 500		01.1601
7.5 ml	15 mm	92/108 mm	Writeable/□/■	□	50 / 50 / 500		01.1601.001
7.5 ml	15 mm	92/108 mm	Pre-barcoded/□/■	□	50 / 50 / 500		01.1601.088



S-Monovette® Lithium Heparin Gel

Preparation Lithium heparin gel
Purity Sterile

- For whole blood and heparin plasma extraction (LH)
- Preparation: With lithium heparin-coated spherules and gel (polymer-based); concentration according to DIN EN ISO 6710:2017 in the range 10 - 30 IU heparin/ml blood
- Heparin, as an anticoagulant, inhibits coagulation. In contrast to the S-Monovette® with a clotting activator, the sample can be centrifuged immediately after the blood has been taken. Due to its density, the gel forms a stable separation layer between the plasma and blood cells during centrifugation and acts as a barrier during transport, storage and analysis of the sample.
- Centrifugation: min. 2,000 x g - max. 4,000 x g
- For use in: Clinical chemistry, immunology, serology

Nominal volume	Ø	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
1.1 ml	8 mm	66/82 mm	Writeable/□/■	■	50 / 50 / 500		06.1669.001
2.6 ml	13 mm	65/81 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1907
2.7 ml	13 mm	75/91 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1928
2.7 ml	13 mm	75/91 mm	Writeable/□/■	■	50 / 50 / 500		04.1928.001
2.7 ml	13 mm	75/91 mm	Pre-barcoded/□/■	■	50 / 50 / 500		04.1928.088
4 ml	13 mm	75/91 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1927
4 ml	13 mm	75/91 mm	Writeable/□/■	■	50 / 50 / 500		04.1927.001
4.7 ml	15 mm	75/91 mm	Not writeable/☒/■	■	50 / 50 / 500		03.1631
4.7 ml	15 mm	75/91 mm	Writeable/□/■	■	50 / 50 / 500		03.1631.001
4.9 ml	13 mm	90/106 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1940
4.9 ml	13 mm	90/106 mm	Writeable/□/■	■	50 / 50 / 500		04.1940.001
4.9 ml	13 mm	90/106 mm	Pre-barcoded/□/■	■	50 / 50 / 500		04.1940.088
7.5 ml	15 mm	92/108 mm	Not writeable/☒/■	■	50 / 50 / 500		01.1634
7.5 ml	15 mm	92/108 mm	Pre-barcoded/□/■	■	50 / 50 / 500		01.1634.088










S-Monovette® Lithium Heparin Gel+

Preparation Lithium heparin gel+
Purity Sterile

- For whole blood and heparin plasma extraction (LH)
- Preparation: With lithium heparin-coated spherules and gel (polymer-based); concentration according to DIN EN ISO 6710:2017 in the range 10 - 30 IU heparin/ml blood
- For all properties of the S-Monovette® Lithium Heparin Gel, the S-Monovette® Lithium Heparin Gel+ can reduce the centrifugation time by half
- Centrifugation: min. 2,000 x g - max. 4,000 x g
- For use in: Clinical chemistry, immunology, serology

Nominal volume	Ø	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
2.7 ml	13 mm	75/91 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1952
2.7 ml	13 mm	75/91 mm	Writeable/□/■	■	50 / 50 / 500		04.1952.001

S-Monovette® Lithium Heparin Gel+

Nominal volume	Ø	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
2.7 ml	13 mm	75/91 mm	Pre-barcoded/□/■	■	50 / 50 / 500		04.1952.088
4 ml	13 mm	75/91 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1953
4 ml	13 mm	75/91 mm	Writeable/□/■	■	50 / 50 / 500		04.1953.001
4 ml	13 mm	75/91 mm	Pre-barcoded/□/■	■	50 / 50 / 500		04.1953.088
4.9 ml	13 mm	90/106 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1954
4.9 ml	13 mm	90/106 mm	Writeable/□/■	■	50 / 50 / 500		04.1954.001
4.9 ml	13 mm	90/106 mm	Pre-barcoded/□/■	■	50 / 50 / 500		04.1954.088



S-Monovette® Lithium Heparin

Preparation
PurityLithium heparin LH
Sterile

- For whole blood and heparin plasma extraction (LH)
- Preparation: With lithium heparin-coated spherules; concentration according to DIN EN ISO 6710:2017 in the range 10 - 30 IU heparin/ml blood
- Heparin, as an anticoagulant, inhibits coagulation. In contrast to the S-Monovette® with a clotting activator, the sample can be centrifuged immediately after the blood has been taken. Due to their density, the spherules settle during centrifugation between plasma and blood cells.
- Centrifugation: min. 2,000 x g - max. 4,000 x g
- For use in: Clinical chemistry, immunology, serology

Nominal volume	Ø	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
1.2 ml	8 mm	66/82 mm	Writeable/□/■	■	50 / 50 / 500		06.1666.001
2.6 ml	13 mm	65/81 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1906
2.6 ml	13 mm	65/81 mm	Writeable/□/■	■	50 / 50 / 500		04.1906.001
2.7 ml	13 mm	75/91 mm	Writeable/□/■	■	50 / 50 / 500		04.1929.001
2.7 ml	13 mm	75/91 mm	Pre-barcoded/□/■	■	50 / 50 / 500		04.1929.088
4 ml	13 mm	75/91 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1920
4.9 ml	13 mm	90/106 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1936
4.9 ml	13 mm	90/106 mm	Writeable/□/■	■	50 / 50 / 500		04.1936.001
4.9 ml	13 mm	90/106 mm	Pre-barcoded/□/■	■	50 / 50 / 500		04.1936.088
5.5 ml	15 mm	75/91 mm	Not writeable/☒/■	■	50 / 50 / 500		03.1628
5.5 ml	15 mm	75/91 mm	Writeable/□/■	■	50 / 50 / 500		03.1628.001
7.5 ml	15 mm	92/108 mm	Not writeable/☒/■	■	50 / 50 / 500		01.1604
7.5 ml	15 mm	92/108 mm	Writeable/□/■	■	50 / 50 / 500		01.1604.001
7.5 ml	15 mm	92/108 mm	Pre-barcoded/□/■	■	50 / 50 / 500		01.1604.088



S-Monovette® Lithium Heparin liquid

Preparation Lithium heparin, liquid
Purity Sterile

- For whole blood and heparin plasma extraction (LH)
- Preparation: Lithium heparin in droplet form as a spray dose; concentration according to DIN EN ISO 6710:2017 in the range 10 - 30 IU heparin/ml blood
- Heparin, as an anticoagulant, inhibits coagulation. Unlike the S-Monovette® with a clotting activator, the sample can be centrifuged immediately after blood collection and separates into plasma and blood cells during centrifugation.
- Centrifugation: min. 2,000 x g - max. 4,000 x g
- For use in: Clinical chemistry, immunology, serology

Nominal volume	Ø	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
4.9 ml	13 mm	90/106 mm	Writeable/□/■	■	50 / 50 / 500		04.1939.001
7.5 ml	15 mm	92/108 mm	Writeable/□/■	■	50 / 50 / 500		01.1608.001



S-Monovette® Sodium Heparin

Preparation Sodium heparin
Purity Sterile

- For whole blood and plasma extraction (NH)
- Preparation: With sodium heparin-coated spherules; concentration according to DIN EN ISO 6710:2017 in the range 10 - 30 IU heparin/ml blood
- Heparin, as an anticoagulant, inhibits coagulation. In contrast to the S-Monovette® with a clotting activator, the sample can be centrifuged immediately after the blood has been taken. Due to their density, the spherules settle during centrifugation between plasma and blood cells. A spherule-free variant is available on request (01.1614.100).
- Centrifugation: min. 2,000 x g - max. 4,000 x g
- For use in: Clinical chemistry, immunology, serology

Nominal volume	Ø	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
2.6 ml	13 mm	65/81 mm	Writeable/□/■	■	50 / 50 / 500		04.1913.100
7.5 ml	15 mm	92/108 mm	Writeable/□/■	■	50 / 50 / 500		01.1613.100



S-Monovette® Ammonium Heparin

Preparation Ammonium heparin
Purity Sterile

- For whole blood and plasma extraction (AH)
- Preparation: With ammonium heparin-coated spherules; concentration according to DIN EN ISO 6710:2017 in the range 10 - 30 IU heparin/ml blood
- Heparin, as an anticoagulant, inhibits coagulation. In contrast to the S-Monovette® with a clotting activator, the sample can be centrifuged immediately after the blood has been taken. Due to their density, the spherules settle during centrifugation between plasma and blood cells.
- Centrifugation: min. 2,000 x g - max. 4,000 x g
- For use in: Clinical chemistry, immunology, serology

Nominal volume	Ø	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
7.5 ml	15 mm	92/108 mm	Not writeable/☒/■	■	50 / 50 / 500		01.1603



S-Monovette® Citrate

Preparation Purity

Citrate 9NC Sterile

- For whole blood and citrate plasma extraction (9NC)
- Preparation: 0.106 molar trisodium citrate solution (= 3.13% trisodium citrate solution; often rounded up to 3.2%) = 10% of the nominal volume of an S-Monovette® Citrate; concentration according to ISO 6710. The mixture ratio of citrate to blood is 1:9 – 1 part by volume citrate and 9 parts by volume blood.
- Citrate, as an anticoagulant, inhibits coagulation. The sample can be centrifuged immediately after blood collection and separates into plasma and blood cells during centrifugation.
- Centrifugation: min. 2,000 x g - max. 4,000 x g
- For use in: Routine haemostaseology tests

Nominal volume	Ø	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
1.4 ml	8 mm	66/82 mm	Writeable/■	■	50 / 50 / 500		06.1668.001
1.8 ml	13 mm	75/91 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1955
1.8 ml	13 mm	75/91 mm	Writeable/□/■	■	50 / 50 / 500		04.1955.001
1.8 ml	13 mm	75/91 mm	Pre-barcoded/□/■	■	50 / 50 / 500		04.1955.088
2.9 ml	13 mm	65/81 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1902
2.9 ml	13 mm	65/81 mm	Writeable/□/■	■	50 / 50 / 500		04.1902.001
2.9 ml	13 mm	65/81 mm	Pre-barcoded/□/■	■	50 / 50 / 500		04.1902.088
3 ml	11 mm	66/82 mm	Not writeable/☒/■	■	50 / 50 / 500		05.1165
3 ml	11 mm	66/82 mm	Writeable/□/■	■	50 / 50 / 500		05.1165.001
3 ml	13 mm	75/91 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1919
3 ml	13 mm	75/91 mm	Writeable/□/■	■	50 / 50 / 500		04.1919.001
3 ml	13 mm	75/91 mm	Pre-barcoded/□/■	■	50 / 50 / 500		04.1919.088
4.3 ml	13 mm	75/91 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1922
4.3 ml	13 mm	75/91 mm	Writeable/□/■	■	50 / 50 / 500		04.1922.001
5.4 ml	13 mm	90/106 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1930
5.4 ml	13 mm	90/106 mm	Writeable/□/■	■	50 / 50 / 500		04.1930.001
8.2 ml	15 mm	92/108 mm	Writeable/□/■	■	50 / 50 / 500		01.1606.001



S-Monovette® K3 EDTA

Preparation Purity

K3 EDTA Sterile

- For whole blood extraction (K3E)
- Preparation: K3 EDTA in droplet form as a spray dose; 1.6 mg EDTA/ml blood; concentration according to DIN EN ISO 6710:2017 in the range 1.2 - 2.0 mg/ml blood
- EDTA, as an anticoagulant, inhibits coagulation. The sample is not centrifuged and is processed as a whole blood sample.
- For use in: Haematology

Nominal volume	Ø	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
1.2 ml	8 mm	66/82 mm	Writeable/□/■	■	50 / 50 / 500		06.1664.001
1.6 ml	11 mm	66/82 mm	Not writeable/☒/■	■	50 / 50 / 500		05.1081
1.6 ml	11 mm	66/82 mm	Writeable/□/■	■	50 / 50 / 500		05.1081.001
1.8 ml	13 mm	65/81 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1951
1.8 ml	13 mm	65/81 mm	Writeable/□/■	■	50 / 50 / 500		04.1951.001
1.8 ml	13 mm	65/81 mm	Pre-barcoded/□/■	■	50 / 50 / 500		04.1951.088
2.6 ml	13 mm	65/81 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1901
2.6 ml	13 mm	65/81 mm	Writeable/□/■	■	50 / 50 / 500		04.1901.001
2.6 ml	13 mm	65/81 mm	Pre-barcoded/□/■	■	50 / 50 / 500		04.1901.088
2.7 ml	11 mm	66/82 mm	Not writeable/☒/■	■	50 / 50 / 500		05.1167
2.7 ml	11 mm	66/82 mm	Writeable/□/■	■	50 / 50 / 500		05.1167.001
2.7 ml	13 mm	75/91 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1917
2.7 ml	13 mm	75/91 mm	Writeable/□/■	■	50 / 50 / 500		04.1917.001
3.4 ml	13 mm	65/81 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1914
3.4 ml	13 mm	65/81 mm	Writeable/□/■	■	50 / 50 / 500		04.1914.001
4 ml	15 mm	75/91 mm	Not writeable/☒/■	■	50 / 50 / 500		03.1068
4 ml	15 mm	75/91 mm	Writeable/□/■	■	50 / 50 / 500		03.1068.001
4 ml	13 mm	75/91 mm	Writeable/□/■	■	50 / 50 / 500		04.1921.001
4.9 ml	13 mm	90/106 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1931
4.9 ml	13 mm	90/106 mm	Writeable/□/■	■	50 / 50 / 500		04.1931.001
7.5 ml	15 mm	92/108 mm	Writeable/□/■	■	50 / 50 / 500		01.1605.001



S-Monovette® K2 EDTA Gel

Preparation
Purity

K2 EDTA Gel
Sterile

- For EDTA plasma extraction (K2E)
- Preparation: K2 EDTA in droplet form as a spray dose; 1.6 mg EDTA/ml blood and gel (polymer-based); concentration according to DIN EN ISO 6710:2017 in the range 1.2 - 2.0 mg/ml blood
- EDTA, as an anticoagulant, inhibits coagulation. The sample can be centrifuged immediately after blood collection. Due to its density, the gel forms a stable separation layer between the plasma and blood cells during centrifugation and acts as a barrier during transport, storage and analysis of the sample.
- Centrifugation: min. 2,000 x g - max. 4,000 x g
- For use in: Molecular virus diagnostics

Nominal volume	Ø	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
4.9 ml	13 mm	90/106 mm	Writeable/□/■	■	50 / 50 / 500		04.1932.001
7.5 ml	15 mm	92/108 mm	Writeable/□/■/■	■	50 / 50 / 500		01.1621.001



S-Monovette® Fluoride EDTA

Preparation
Purity

Fluoride + EDTA
Sterile

- For plasma extraction (FE)
- Preparation: Potassium fluoride and sodium EDTA in droplet form as a spray dose; 1.0 mg fluoride/ml blood and 1.2 mg EDTA/ml blood; concentration according to DIN EN ISO 6710:2017 in the range 1.2 - 2.0 mg/ml blood for EDTA and 1.0 mg - 4.0 mg/ml blood for fluoride
- Fluoride as a glycolysis inhibitor starts approx. 2 hours after contact with blood and completes the glycolysis inhibition after approx. 4 hours. EDTA, as an anticoagulant, inhibits coagulation. The sample can be centrifuged immediately after blood collection.
- Centrifugation: min. 2,000 x g - max. 4,000 x g
- For use in: Glucose test

Nominal volume	Ø	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
1.2 ml	8 mm	66/82 mm	Writeable/■/■	■	50 / 50 / 500		06.1665.001
2.6 ml	13 mm	65/81 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1903
2.6 ml	13 mm	65/81 mm	Writeable/□/■	■	50 / 50 / 500		04.1903.001
2.7 ml	11 mm	66/82 mm	Not writeable/☒/■	■	50 / 50 / 500		05.1073
2.7 ml	11 mm	66/82 mm	Writeable/□/■	■	50 / 50 / 500		05.1073.001
2.7 ml	13 mm	75/91 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1918
2.7 ml	13 mm	75/91 mm	Writeable/□/■	■	50 / 50 / 500		04.1918.001
2.7 ml	13 mm	75/91 mm	Pre-barcoded/□/■	■	50 / 50 / 500		04.1918.088
5.5 ml	15 mm	75/91 mm	Writeable/□/■/■	■	50 / 50 / 500		03.1626.001



S-Monovette® Fluoride Heparin

**Preparation
Purity**

**Fluoride + heparin
Sterile**

- For plasma extraction (FH)
- Preparation: Fluoride and heparin in droplet form as a spray dose; 1.0 mg fluoride/ml blood and 16 IU heparin/ml blood; concentration according to DIN EN ISO 6710:2017 in the range 10 - 30 IU/ml blood for heparin and 1.0 mg - 4.0 mg/ml blood for fluoride
- Fluoride as a glycolysis inhibitor starts approx. 2 hours after contact with blood and completes the glycolysis inhibition after approx. 4 hours. Heparin, as an anticoagulant, inhibits coagulation. The sample can be centrifuged immediately after blood collection.
- Centrifugation: min. 2,000 x g - max. 4,000 x g
- For use in: Glucose test

Nominal volume	∅	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
2.7 ml	11 mm	66/82 mm	Not writeable/☒/■	■	50 / 50 / 500		05.1076



S-Monovette® GlucoEXACT

**Preparation
Purity**

**Citrate/fluoride/EDTA
Sterile**

- For plasma extraction (FC)
- Preparation: Citrate, fluoride and EDTA, dosed in liquid form; note conversion factor of 1.16 as the preparation is a liquid
- Citrate as a glycolysis inhibitor starts immediately on contact with blood while fluoride does not become active until approx. 2 hours after contact with blood and completes the glycolysis inhibition after approx. 4 hours. EDTA, as an anticoagulant, inhibits coagulation. The sample can be centrifuged immediately after blood collection.
- Centrifugation: min. 2,000 x g - max. 4,000 x g
- For use in: Glucose test

Nominal volume	∅	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
3.1 ml	11 mm	66/82 mm	Writeable/□/■/■	■	50 / 50 / 500		05.1074.001
3.1 ml	13 mm	75/91 mm	Writeable/□/■/■	■	50 / 50 / 500		04.1945.001
3.1 ml	13 mm	75/91 mm	Pre-barcoded/□/■	■	50 / 50 / 500		04.1945.288



S-Monovette® Neutral

Preparation
Purity

Without preparation
Sterile

- For serum extraction (Z)
- Preparation: without
- Since neither an anticoagulant to prevent coagulation nor a clotting activator is added, the blood coagulates naturally over approx. 1-2 hours.
- Centrifugation: min. 2,000 x g - max. 4,000 x g
- For use in: User-specific tests, such as studies and empty tubes: if blood collection is to be started with an S-Monovette® Citrate (coagulation tests) in combination with a Safety Multifly® needle, the S-Monovette® Neutral is used as the first tube (empty tube) for filling the tubing of the (Safety) Multifly® needle.

Nominal volume	Ø	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
2.7 ml	11 mm	66/82 mm	Writeable/□/■	□	50 / 50 / 500		05.1729.001
4.9 ml	13 mm	90/106 mm	Writeable/□/■	□	50 / 50 / 500		04.1926.001
7.5 ml	15 mm	92/108 mm	Writeable/□/■	□	50 / 50 / 500		01.1728.001



S-Monovette® Serum Gel LightPROTECT

Preparation
Purity

Clotting activator/gel
Sterile

- For serum extraction (CAT)
- Preparation: Beads coated with a clotting activator (silicate) and gel (polymer-based)
- Thanks to the clotting activator, blood coagulation is usually completed after 20-30 minutes and the sample can be centrifuged. Due to its density, the gel forms a stable separation layer between the serum and blood clot during centrifugation and acts as barrier during transport, storage and analysis of the sample.
- Light protection is guaranteed in the UV range (190 nm - 380 nm).
- Centrifugation: min. 2,000 x g – max. 4,000 x g
- Field of application: Specimens requiring light protection.

Nominal volume	Ø	Length without/with cap	Tube colour	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
4.0 ml	13 mm	75/91 mm	□	Not writeable/☒/■	■	50 / 50 / 500		04.1925.003



S-Monovette® ThromboExact

Preparation
Purity

Mg²⁺ compound
Sterile

- For whole blood extraction
- Preparation: Magnesium compound
- A magnesium compound inhibits coagulation. The whole blood of the S-Monovette® ThromboExact is used to rule out false low platelet counts as a result of anticoagulant intolerance (such as EDTA, citrate, heparin), also termed pseudothrombocytopenia.
- For use in: To rule out false low platelet counts (pseudothrombocytopenia)

Nominal volume	Ø	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
2.7 ml	11 mm	66/82 mm	Writeable/□/■	■	50 / 50 / 500		05.1168.001



S-Monovette® Homocysteine HCY-Z gel

Preparation
Purity

Homocysteine stabiliser
Sterile

- For serum extraction (HCY-Z gel)
- Preparation: Stabiliser and gel
- The homocysteine concentration is kept constant for up to 8 hours after blood collection at room temperature without centrifugation and up to 96 hours if centrifugation takes place within the first 8 hours and the gel barrier forms between the serum and the blot clot.
- Centrifugation: min. 2,000 x g - max. 4,000 x g
- For use in: Homocysteine determination

Nominal volume	Ø	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
2.7 ml	13 mm	75/91 mm	Writeable/□/■/■	■	50 / 50 / 500		04.1908.001



S-Monovette® Metal analysis

Preparation
Purity

Lithium heparin, liquid
Sterile

- For heparin plasma extraction (LH)
- Preparation: Lithium heparin in droplet form as a spray dose; concentration according to DIN EN ISO 6710:2017 in the range 10 - 30 IU heparin/ml blood
- For use exclusively with the safety needle (REF 85.1162.600)
- The maximum blank values for the S-Monovette® Metal analysis + Safety Needle (REF 85.1162.600) system are indicated for each element on the label of the S-Monovette®.
- For use in: Metal analysis - trace element determination

Nominal volume	Ø	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
7.5 ml	15 mm	92/108 mm	Writeable/□/■	■	50 / 50 / 500		01.1604.400

Metal analysis - trace element determination The S-Monovette® Metal analysis in combination with an S-Monovette® needle was developed for testing the most common trace elements. Lithium heparin (19 IU heparin/ml blood) is present as a spray dose in droplet form as the anticoagulant. For the system needle and S-Monovette®, this results in the following **maximum blank values in ng/system**:

Element	Tl	Cd	Ni	Cr	Pb	Fe	Cu	Zn	Mn	Al	Se	Hg
ng/system	2.5	1.5	8.0	5.0	5	50	70	70	10	40	10	10

The maximum blank values are indicated for each element on the label of the S-Monovette®.



Accessories for S-Monovette® Metal analysis: S-Monovette® safety needle

- S-Monovette® safety needle in combination with the S-Monovette® Metal analysis validated for the determination of metals (see S-Monovette® Metal analysis)
- Safety needle with integrated holder
- Ready to use immediately – no complicated assembly of needle and holder required
- Sterile, non-pyrogenic/endotoxin-free
- Needle guard can be activated with one hand for maximum handling convenience

Ø x Length	Colour	Packaging (SP/IB/OC)	SP	Order no.
21G x 1 1/2"	■	1 / 50 / 500		85.1162.600



S-Monovette® CTAD

Preparation
Purity

CTAD solution
Sterile

- For whole blood and citrate plasma extraction
- Preparation: 0.29 ml CTAD solution; CTAD: Sodium citrate, theophylline, adenosine, dipyridamole. The mixture ratio of CTAD to blood is 1:9 – 1 part by volume CTAD and 9 parts by volume blood.
- Citrate from CTAD, as an anticoagulant, inhibits coagulation. The sample can be centrifuged immediately after blood collection and separates into plasma and blood cells during centrifugation. CTAD inhibits platelet activation for a period of at least 4 hours.
- Centrifugation: min. 2,000 x g - max. 4,000 x g
- For use in: Platelet factor 4 (PF4), beta(β)-thromboglobulin (BTG) and plasminogen activator inhibitor (PAI-1) as well as for routine testing in haemostaseology

Nominal volume	∅	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
2.9 ml	13 mm	65/81 mm	Writeable/□/■	■	50 / 50 / 500		04.1909.001



S-Monovette® PFA

Preparation
Purity

Trisodium citrate/citric acid buffer solution
Sterile

- For whole blood and citrate plasma extraction (9NC)
- Preparation: 0.129 mol/l citrate solution; 3.8% citrate buffer; pH 5.5.
The mixture ratio of citrate to blood is 1:9 – 1 part by volume citrate and 9 parts by volume blood.
- Citrate, as an anticoagulant, inhibits coagulation. The whole blood of the S-Monovette® PFA is suitable for determining platelet function with the SIEMENS Healthineers PFA analyser and is validated for this.
- For use in: Platelet function determination

Nominal volume	∅	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
3.8 ml	13 mm	65/81 mm	Writeable/□/■	■	50 / 50 / 500		04.1910.001



S-Monovette® Hirudin

Preparation
Purity

Hirudin
Sterile

- For whole blood extraction
- Preparation: Hirudin, > 525 ATE/ml
- Hirudin, as an anticoagulant, inhibits coagulation. Hirudin whole blood is used for the determination of platelet function on the Multiplate® analyser (multiple platelet function analyser) from ROCHE Diagnostics and is validated for this. It is used for monitoring therapy with platelet inhibiting medication and to confirm or exclude platelet function disorders.
- For use in: Platelet function determination

Nominal volume	∅	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
1.6 ml	13 mm	75/91 mm	Writeable/□/■	■	50 / 50 / 500		04.1959.001



S-Monovette® CPDA

Preparation
Purity

CPDA stabiliser
Sterile

- For whole blood extraction (CPDA)
- Preparation: CPDA solution: Citric acid, sodium citrate, sodium phosphate, dextrose, adenine. Blood:CPDA solution: - 6:1. The mixture ratio of CPDA to blood is 1:6 – 1 part by volume CPDA and 6 parts by volume blood.
- Citrate from CPDA, as an anticoagulant, inhibits coagulation. CPDA whole blood/plasma is used in transfusion medicine for blood type serology, for compatibility tests (cross matching) for transfusions, and for cell preservation up to 35 days analogous to the shelf life of the storage bags.
- For use in: Blood group determination and cell preservation

Nominal volume	∅	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
5.7 ml	13 mm	90/106 mm	Writeable/□/■/■	■	50 / 50 / 500		04.1938.001
8.8 ml	15 mm	92/108 mm	Writeable/□/■/■	■	50 / 50 / 500		01.1610.001



S-Monovette® DNA Exact

Preparation
Purity

EDTA based gDNA stabilizer
Sterile

- For collecting genomic DNA (gDNA)
- Preparation: gDNA stabiliser
- Validated for various storage conditions (time & temperature parameters)
- For use in: DNA stabilisation and analysis

Nominal volume	∅	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
2.7 ml	13 mm	75/91 mm	Writeable/□/■	■	50 / 50 / 500		04.1948.001




S-Monovette® RNA Exact

Preparation
Purity

RNA stabiliser
Sterile

- For the extraction of all RNA species
- Limitation-free stabilisation of all transcripts
- For use in: RNA stabilisation and analysis

Max. blood volume	Ø	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
Max. 2.4 ml	15 mm	100/116 mm	Writeable/□/■	■	20 / 20 / 80		01.2048.001




S-Monovette® cfDNA

Preparation
Purity

cfDNA stabiliser
Sterile

- No entry of genomic DNA from nucleated cells
- Minimised risk of haemolysis thanks to gentle aspiration technique
- No immediate processing of the plasma required
- For use in: Stabilisation and analysis of liquid biopsy specimens

Nominal volume	Ø	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
9.2 ml	15 mm	100/116 mm	Writeable/□/■	Raspberry coloured	20 / 20 / 80		01.2040.001



Safety-Multifly® needle

- Safety butterfly needle with integrated holder
- Ready to use immediately – no complicated assembly of needle and holder required
- DEHP-free – for short infusion
- Flat puncturing angle ensures safe puncture
- Sterile, non-pyrogenic/endotoxin-free

Ø x Length	Colour	Design	Tube length	Packaging (SP/IB/OC)	SP	Order no.
20G x 3/4"	■	Multi-adapter	80 mm	1 / 120 / 480		85.1637.205
21G x 3/4"	■	Multi-adapter	80 mm	1 / 120 / 480		85.1638.205
23G x 3/4"	■	Multi-adapter	80 mm	1 / 120 / 480		85.1640.205
25G x 3/4"	■	Multi-adapter	80 mm	1 / 120 / 480		85.1642.205
20G x 3/4"	■	Luer (f)	80 mm	1 / 120 / 480		85.1637.203
21G x 3/4"	■	Luer (f)	80 mm	1 / 120 / 480		85.1638.203
23G x 3/4"	■	Luer (f)	80 mm	1 / 120 / 480		85.1640.203
20G x 3/4"	■	Multi-adapter	200 mm	1 / 120 / 480		85.1637.235
21G x 3/4"	■	Multi-adapter, screw-on guide sleeve	200 mm	1 / 120 / 480		85.1638.200
21G x 3/4"	■	Multi-adapter	200 mm	1 / 120 / 480		85.1638.235
23G x 3/4"	■	Multi-adapter	200 mm	1 / 120 / 480		85.1640.235
25G x 3/4"	■	Multi-adapter	200 mm	1 / 120 / 480		85.1642.235
20G x 3/4"	■	Luer (f)	240 mm	1 / 120 / 480		85.1637.201
21G x 3/4"	■	Luer (f)	240 mm	1 / 120 / 480		85.1638.201
23G x 3/4"	■	Luer (f)	240 mm	1 / 120 / 480		85.1640.201
25G x 3/4"	■	Luer (f)	240 mm	1 / 120 / 480		85.1642.201



S-Monovette® safety needle, 1" and 1 1/2"

- Safety needle with integrated holder
- Ready to use immediately – no complicated assembly of needle and holder required
- Flat puncturing angle ensures safe puncture
- Needle guard can be activated with one hand for maximum handling convenience; safety needle guard complies with national and international guidelines such as TRBA250, EU Directive 2010/32/EU
- Sterile, non-pyrogenic/endotoxin-free

Ø x Length	Colour	Packaging (SP/IB/OC)	SP	Order no.
20G x 1"	■	1 / 50 / 500		85.1372.200
21G x 1"	■	1 / 50 / 500		85.1373.200
22G x 1"	■	1 / 50 / 500		85.1441.200
20G x 1 1/2"	■	1 / 50 / 500		85.1160.200
21G x 1 1/2"	■	1 / 50 / 500		85.1162.200
21G x 1 1/2"	■	1 / 50 / 500		85.1162.600
22G x 1 1/2"	■	1 / 50 / 500		85.1440.200



Multi-adapter

- Luer and Luer lock design
- Ready to use immediately
- For adapting the S-Monovette® to all female Luer systems, such as indwelling venous needles, three-way valves and butterfly needles
- Sterile, non-pyrogenic/endotoxin-free

Design	Packaging (SP/IB/OC)	SP	Order no.
Luer	1 / 100 / 1,000		14.1205
Luer lock	1 / 100 / 1,000		14.1205.100



Membrane adapter

- For the reliable adaptation of the S-Monovette® needle/Safety-Multifly® needle with a male Luer system, e.g. Blood Gas Monovette®
- Ready to use immediately
- Sterile, non-pyrogenic/endotoxin-free

Packaging (SP/IB/OC)	SP	Order no.
1 / 100 / 1,000		14.1112



Blood culture adapter

- For filling commercially available narrow and wide-neck blood culture bottles
- Available separately or as a set (blood culture adapter + Safety-Multifly® needle)
- Direct connection with Safety-Multifly® needles
- Sterile, non-pyrogenic/endotoxin-free

Description	Design	Set components	Packaging (SP/IB/OC)	SP	Order no.
Universal blood culture adapter	Membrane adapter assembled	–	1 / 20 / 100		14.1209
LongNeck blood culture adapter	Membrane screw cap assembled	–	1 / 50 / 250		14.1207
Safety-Multifly® BKF set 21G	Blood culture adapter set	1 Safety-Multifly® needle 21G with long tubing, DEHP-free (REF 85.1638.235) and 1 universal blood culture adapter (REF 14.1209)	1 / 1 / 50		51.1638.945
Safety-Multifly® BKF set 23G	Blood culture adapter set	1 Safety-Multifly® needle 23G with long tubing, DEHP-free (REF 85.1640.235) and 1 universal blood culture adapter (REF 14.1209)	1 / 1 / 50		51.1640.945



POCT DISPENSER

- For needle-free and hygienic blood dispensing
- Maximum safety thanks to closed blood transfer
- Use in point-of-care diagnostics

Packaging (SP/IB/OC)	SP	Order no.
1 / 100 / 1,000		14.1219



Safety Multifly® needle with assembled holder

Design

Needle holder assembled

Tube length

200 mm

- For filling commercially available narrow-neck blood culture bottles
- Ready to use immediately – no complicated assembly of needle and holder required
- Sterile, non-pyrogenic/endotoxin-free

Ø x Length	Colour	Packaging (SP/IB/OC)	SP	Order no.
21G x 3/4"		1 / 25 / 100		85.1638.935



Reusable tourniquet

- Very soft material for increased patient comfort
- Washable up to 90 °C
- Also available in a latex-free version

Latex-free	Colour	Material	Packaging (SP/IB/OC)	SP	Order no.
No	■	PA	1 / 1 / 200		95.1007
Yes	■	PL	1 / 1 / 200		95.1007.001



One-patient tourniquet TourniSTRETCH®

Latex-free **Yes**

- One-patient tourniquet developed for effective infection prevention
- Multiple use on one patient to prevent cross-contamination
- Very soft, latex-free material for increased patient comfort
- Intuitive, easy handling
- One size suitable for small children and adults

Colour	Material	Packaging (SP/IB/OC)	SP	Order no.
■	Polymer	25 / 25 / 500		95.1008

tournistrip® disposable paper tourniquet



Latex-free **Yes**

- Disposable tourniquets prevent the risk of cross-contamination
- Optimal, hygienic standard
- Easy handling
- High level of patient comfort as it does not pinch

Colour	Material	Packaging (SP/IB/OC)	SP	Order no.
□	Special paper/plastic composite material	200 / 200 / 4,800		95.1006



Wall holder for tournistrip® disposable paper tourniquet

- Wall holder suitable for attachment to the wall
- Convenient and easy removal of the disposable tourniquet
- Hygienic

Material	Packaging (SP/IB/OC)	SP	Order no.
Metal	1 / 1 / 1		95.1005

Emergency coding cap



**Suitable for
Material**

**S-Monovette®
HD-PE**

- Coding of emergency samples from ambulances, ICUs, operating theatres or to improve organisation in the laboratory
- Ensures the rapid allocation of emergency samples in the laboratory incoming samples department
- Can also be used on many analysers with colour-coded cap attached

Description	Colour	Packaging (SP/IB/OC)	SP	Order no.
Emergency coding cap, pink	■	100 / 100 / 1,000		14.1513
Emergency coding cap, blue	■	100 / 100 / 1,000		14.1513.001
Emergency coding cap, yellow	■	100 / 100 / 1,000		14.1513.002
Emergency coding cap, green	■	100 / 100 / 1,000		14.1513.005
Emergency coding cap, grey	■	100 / 100 / 1,000		14.1513.008



Seraplas® V

- Reversible separation of serum or plasma and cellular components after centrifugation
- Mechanical separation body; no diffusion from cellular components in the supernatant (serum or plasma). Stable potassium levels guaranteed
- Samples with a valve filter in the S-Monovette® can be processed as usual
- For S-Monovettes with diameters of 11 mm (Seraplas® V11), 13 mm (Seraplas® V13), 15 mm (Seraplas® V15) and 16 mm (Seraplas® V16)
- Stable separation layer during storage, transport or shipment

Description	Suitable for	Colour	Packaging (SP/IB/OC)	SP	Order no.
Seraplas® V11 valve filter	Separation of serum/plasma from the blood cells after centrifugation	□	100 / 500 / 5,000		53.677
Seraplas® V13 valve filter	Separation of serum/plasma from the blood cells after centrifugation	■	100 / 100 / 1,000		53.419
Seraplas® V15 valve filter	Separation of serum/plasma from the blood cells after centrifugation	■	100 / 100 / 1,000		53.428
Seraplas® V16 valve filter	Separation of serum/plasma from the blood cells after centrifugation	■	100 / 100 / 1,000		53.420
Plunger for V-filter	Seraplas® V-filter	☒	200 / 200 / 2,000		53.1030



Haemo-Diff®

Description

Haemo-Diff®

- Hygienic and quick preparation of manual blood smears
- The drop of the specimen is placed onto a slide
- Available with and without smear edge

Design	Material	Colour	Packaging (SP/IB/OC)	SP	Order no.
With smear edge	PS	☒	500 / 500 / 2,000		14.1218
Without smear edge	SB	☒	500 / 500 / 2,000		14.1217



Carrier tubes for Paediatrics S-Monovette®, micro sample tubes as well as Microvette® and Multivette®

- Suitable for S-Monovette® with 8 mm diameter for adjusting to outer diameters 65 x 13 mm, 66 x 11 mm, 75 x 13 mm, round base
- Reliable sample identification by recording the patient or barcode label
- Can be used in centrifuges
- With light protection for bilirubin determination (REF 55.1570.002, 55.525.002, 55.1577.002)

Suitable for	Length x Ø	Base shape	Colour	Packaging (SP/IB/OC)	SP	Order no.
S-Monovette® with Ø 8 mm	54 x 11 mm	Flat base	☒	250 / 250 / 1,000		55.1570
S-Monovette® with Ø 8 mm	54 x 11 mm	Flat base	■	250 / 250 / 1,000		55.1570.002
S-Monovette® with Ø 8 mm, Microvette® and micro sample tubes	65 x 13 mm	Round base	☒	250 / 250 / 1,000		55.1571
S-Monovette® with Ø 8 mm, Microvette® and micro sample tubes	65 x 13 mm	Round base	■	250 / 250 / 1,000		55.1571.051
S-Monovette® with Ø 8 mm	55 x 13 mm	Round base	☒	250 / 250 / 1,000		55.1572
Microvette® and micro sample tubes with screw cap	75 x 13 mm	Round base	■	250 / 250 / 2,000		55.525.002
Microvette® and micro sample tubes with screw cap	75 x 13 mm	Round base	☒	250 / 250 / 2,000		55.525.003
Multivette®	60 x 11.5 mm	Flat base	☒	250 / 250 / 1,000		55.1577
Multivette®	60 x 11.5 mm	Flat base	■	250 / 250 / 1,000		55.1577.002



Inserts

Material PS

- For use in S-Monovettes and tubes with diameters of 13 mm and 15 mm
- Ideal for low sample volume
- Conical base shape for optimal serum/plasma yield

Suitable for	Length	Packaging (SP/IB/OC)	SP	Order no.
Tubes and S-Monovette® Ø 13 mm	23.5 mm	500 / 500 / 2,000		73.1051
Tubes and S-Monovette® Ø 15 mm	23.5 mm	500 / 500 / 2,000		73.1052
Tubes and S-Monovette® Ø 15 mm	32 mm	500 / 500 / 2,000		73.1052.001



Collection tube for Hitachi analysis system and Abbott AXSYM analysis system 2 and 2.5 ml

Material PS

- Insert for low sample volume or for aliquots
- Secure hold in every S-Monovette® with a diameter of 15 mm
- Skirted conical base
- Matching lid (REF 65.718) available separately for REF 73.666

Volume	Suitable for	Length x Ø	Packaging (SP/IB/OC)	SP	Order no.
2 ml	Hitachi analyser	38 x 17 mm	5,000/1,000/5,000		73.666
2.5 ml	Abbott analyser AXSYM	53 x 12 mm	500 / 500 / 2,500		73.667



Sample tubes for analysis systems: 1.5 and 3.5 ml

Material PS

- Insert for low sample volume or for aliquots
- Matching lid available separately (REF 65.649)
- Skirted conical base

Volume	Suitable for	Length x Ø	Packaging (SP/IB/OC)	SP	Order no.
1.5 ml	Autoanalyser	24 x 14 mm	1,000/1,000/5,000		73.641
3.5 ml	Autoanalyser	38 x 14 mm	1,000/1,000/5,000		73.646

Collection tube lids for analysis systems



Material LD-PE

- Protruding skirt prevents contamination
- Ribbed surface for maximum grip
- Excellent sealing properties

Suitable for	Colour	Packaging (SP/IB/OC)	SP	Order no.
2 ml Hitachi cup 73.666	☒	1,000 / 1,000 / 10,000		65.718
1.5 and 3.5 ml Sample tubes 73.641 and 73.646	☒	1,000 / 1,000 / 10,000		65.649

Collection tube for Coulter Counter analysis system



Material PS

- Crystal-clear material (PS)
- With graduations
- Suitable for Coulter, Hycell
- Parallel surfaces

Suitable for	Length x Ø	Packaging (SP/IB/OC)	SP	Order no.
Coulter Counter	60 x 34 mm	250 / 250 / 500		73.650.500

Collection tube for Immunoassay Analyser ES 600 and ES 300: 2 ml



Material PS

- Crystal-clear material (PS)
- Suitable for the systems ES 300 and ES 600
- Conical base ideal for small sample volumes

Volume	Suitable for	Length x Ø	Packaging (SP/IB/OC)	SP	Order no.
2 ml	Boehringer ES 300® and ES 600®	40 x 12 mm	500 / 500 / 5,000		73.663

Push caps for sample tube for Immunoassay Analyser ES 600 and ES 300



Suitable for
Cap

2 ml sample tube 73.663
Flat cap

- Large grip for optimal handling
- Quick opening and closing
- Ribbed surface for maximum grip
- Excellent sealing properties

Material	Colour	Packaging (SP/IB/OC)	SP	Order no.
LD-PE	□	1,000 / 1,000 / 10,000		65.108



Tubes for special analysers: 4.5 ml

Volume

4.5 ml

Material

PP

Suitable for

Pharmacia/LKB Gamma Counter and Gamma Counter Cobra from Packard

Base

Conical base

- Conical base shape for optimal sample yields
- Polypropylene (PP) tubes for thermal, mechanical and chemical applications

Length x Ø	Packaging (SP/IB/OC)	SP	Order no.
75 x 12 mm	1,000 / 1,000 / 4,000		57.477.500



Collection tube for RIA: 0.5 ml

Material

PP

- Suitable for almost all gamma counters
- Can be closed securely with the matching push cap (65.1375)
- Conical base shape for optimal serum/plasma yield

Volume	Suitable for	Length x Ø	Packaging (SP/IB/OC)	SP	Order no.
0.5 ml	Gamma counters	22 x 8 mm	1,000 / 1,000 / 10,000		73.1055



Push caps for sample tube for RIA and Roche micro cup

Suitable for RIA and Hitachi tube

- Quick opening and closing
- Ribbed surface for maximum grip
- Excellent sealing properties with RIA sample tube 73.1055

Material	Colour	Packaging (SP/IB/OC)	SP	Order no.
LD-PE	<input checked="" type="checkbox"/>	1,000 / 1,000 / 10,000		65.1375

Scintillation vials: 20 ml

Material HD-PE



- For liquid scintillation counting
- Excellent mechanical strength
- Temperature-resistant up to 80 °C
- No measurable background
- Seamless base and walls

Volume	Length x Ø	Packaging (SP/IB/OC)	SP	Order no.
20 ml	58 x 27 mm	500/500/500		73.662.500

Mini vial: 6 ml

Material HD-PE



- For liquid scintillation counting
- Excellent mechanical strength
- Temperature-resistant up to 80 °C
- No measurable background
- Seamless base and walls

Volume	Length x Ø	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
6 ml	56 x 15 mm	<input type="checkbox"/>	1,000 / 1,000 / 2,000		73.680



Tubes 75 x Ø 13 mm with false bottom: 2.5 ml

Material

PP

Base

Conical false bottom, rounded tube bottom

- Conical false bottom especially suitable for small volumes and direct adaptation in analysers
- Meets IATA requirements for sample shipping
- Suitable for deep freezing
- Rounded base for easily loading the sample carrier
- Can be delivered in a bag or compact stacking packaging

Colour	Cap	Graduations	Packaging (SP/IB/OC)	SP	Order no.
<input checked="" type="checkbox"/>	Without	Yes	1,000 / 1,000 / 2,000		60.614.010
<input checked="" type="checkbox"/>	Assembled	Yes	100 / 100 / 1,000		60.614.011
<input checked="" type="checkbox"/>	Without	Yes	500 / 500 / 2,000		60.614.015



Tubes 92 x Ø 13 mm with false bottom: 3.5 ml

Material

PP

- Conical false bottom especially suitable for small volumes and direct adaptation in analysers
- Meets IATA requirements for sample shipping
- Suitable for deep freezing
- Rounded base for easily loading the sample carrier

Base	Colour	Cap	Graduations	Packaging (SP/IB/OC)	SP	Order no.
Conical false bottom, rounded tube bottom	<input checked="" type="checkbox"/>	Without	No	100 / 100 / 1,000		60.617.010
Conical false bottom, rounded tube bottom	<input checked="" type="checkbox"/>	Assembled	Yes	100 / 100 / 1,000		62.617
Conical false bottom, flat tube bottom	<input checked="" type="checkbox"/>	Without	No	100 / 100 / 1,000		60.613.010
Conical false bottom, flat tube bottom	<input checked="" type="checkbox"/>	Assembled	Yes	100 / 100 / 1,000		62.613



Tubes 92 x Ø 15.3 mm with false bottom: 5 ml

Material PP

- Conical false bottom especially suitable for small volumes and direct adaptation in analysers
- Meets IATA requirements for sample shipping
- Suitable for deep freezing
- Rounded base for easily loading the sample carrier

Base	Colour	Cap	Graduations	Packaging (SP/IB/OC)	SP	Order no.
Conical false bottom, rounded tube bottom	☒	Without	No	100 / 100 / 1,000		60.612.010
Conical false bottom, rounded tube bottom	☒	Assembled	Yes	100 / 100 / 1,000		62.612
Conical false bottom, flat tube bottom	■	Without	No	100 / 100 / 1,000		60.611.011
Conical false bottom, flat tube bottom	☒	Without	No	100 / 100 / 1,000		60.611.010
Conical false bottom, flat tube bottom	☒	Assembled	Yes	100 / 100 / 1,000		62.611



Secondary tubes without cap included: 5 - 10 ml

Material PP
Base Round base

- Secondary tube dimensions same as S-Monovette® and tube with false bottom
- Can be delivered in a bag or compact stacking packaging
- Meets IATA requirements for sample shipping
- Suitable for deep freezing
- Rounded base for easily loading the sample carrier

Volume	Length x Ø	Packaging (SP/IB/OC)	SP	Order no.
5 ml	75 x 13 mm	1,000 / 1,000 / 2,000		60.504.010
5 ml	75 x 13 mm	500 / 500 / 2,000		60.504.015
6.5 ml	90 x 13 mm	500 / 500 / 2,000		60.503.010
10 ml	92 x 15.3 mm	500 / 500 / 1,000		60.610.013



Screw caps for tubes and S-Monovette®

- Tightly fitting screw cap for tubes with false bottom
- Meets IATA requirements for sample shipping
- Especially secure cap

Suitable for	Material	Colour	Cap	Packaging (SP/IB/OC)	SP	Order no.
Tubes 75 x 13 mm	HD-PE	☒	–	1,000/1,000/5,000		65.163
Tubes 75 x 13 mm	HD-PE	■	Flat cap	1,000/1,000/5,000		65.643
Tubes and S-Monovette® Ø 13 mm	HD-PE	☒	–	1,000/1,000/5,000		65.728
Tubes Ø 15.3 mm	HD-PE	☒	Standard screw cap	1,000/1,000/5,000		65.729
Tubes Ø 15.3 mm	HD-PE	■	Flat cap	1,000/1,000/5,000		65.645

Push caps for tubes and S-Monovette®



Cap

- Large grip for optimal handling
- Ribbed surface for maximum grip
- Excellent sealing properties

Standard cap

Suitable for	Material	Colour	Packaging (SP/IB/OC)	SP	Order no.
Tubes Ø 15.7 mm & cuvette 67.743	LD-PE	☒	1,000/1,000/5,000		65.803
Tubes Ø 13 mm	LD-PE	☒	1,000 / 1,000 / 10,000		65.806
Tubes Ø 11.5 and 12 mm	LD-PE	☒	1,000 / 1,000 / 10,000		65.809

Archiving cap for tubes and S-Monovette®



Suitable for

- Protection from evaporation and contamination
- Suitable for automation (decapping, recapping)
- Available with or without filter

S-Monovette®, tubes Ø 13-16 mm

- The variant with the filter seals on contact with liquid to prevent leakage of the liquid through the ventilation opening

Material	Colour	Filter	Packaging (SP/IB/OC)	SP	Order no.
PP	■	No	1,000/1,000/5,000		65.647
PP	■	Yes	1,000/1,000/5,000		65.647.020



Screw cap for S-Monovette®

- Available for all S-Monovettes of Ø 8-15 mm
- Especially secure cap
- Ribbed surface for maximum grip

Suitable for	Material	Colour	Cap	Packaging (SP/IB/OC)	SP	Order no.
Tubes Ø 11.5 mm	HD-PE	☒	Standard screw cap	1,000/1,000/5,000		65.1121
Tubes and S-Monovette® Ø 13 mm	HD-PE	☒	–	1,000/1,000/5,000		65.728
Tubes Ø 15.3 mm	HD-PE	☒	Standard screw cap	1,000/1,000/5,000		65.729



Anti-evaporation cap for S-Monovette®

Suitable for

S-Monovette® Ø 15 mm

- Prevents unwanted evaporation of sample material
- Prevents foreign particles from entering the sample material
- Prevents contamination

Material	Colour	Packaging (SP/IB/OC)	SP	Order no.
PE	☒	1,000/1,000/5,000		65.648



Multi Fit caps for S-Monovette® and tubes

Material

LD-PE

- Can be flexibly used for Ø 12-17 mm and for S-Monovette® Ø 13 mm
- Excellent sealing properties
- Different cap colours for better coding

Suitable for	Colour	Packaging (SP/IB/OC)	SP	Order no.
Tubes Ø 12-17 mm	☒	1,000 / 1,000 / 10,000		65.1379
Tubes Ø 12-17 mm	■	1,000 / 1,000 / 10,000		65.1379.002
Tubes Ø 12-17 mm	■	1,000 / 1,000 / 10,000		65.1379.004
Tubes Ø 12-17 mm	■	1,000 / 1,000 / 10,000		65.1379.006



Micro needle

- Ideal for venous blood collection of even the tiniest quantities:
- Minimal blood loss with no residual volume in the attachment
- Ridged grip for a good hold allows optimal guidance of the needle
- Can be rotated 360° in difficult vein conditions
- Optimal flow properties and free draining thanks to proven needle quality and exposed outlet opening

Ø x Length	Colour	Purity	Packaging (SP/IB/OC)	SP	Order no.
21G x 3/4"	■	Sterile, non-pyrogenic/endotoxin-free	1 / 50 / 500		85.921
23G x 3/4"	■	Sterile, non-pyrogenic/endotoxin-free	1 / 50 / 500		85.923
25G x 3/4"	■	Sterile, non-pyrogenic/endotoxin-free	1 / 50 / 500		85.925



Prepared micro sample tubes with push caps: 0.5 - 1.3 ml

Ø 10.8 mm
Length without/with cap 40/44 mm
Base Skirted conical base

- Ideal collection vessels for small volumes of blood
- Attached push cap suitable for one-handed collection technique
- Transparent label with graduations ideal for checking the filling level; available with paper label (*.015) on request

Preparation	Nominal volume	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
Clotting activator	1.3 ml	□	100 / 100 / 1,000		41.1501.005
Clotting activator/gel	1.1 ml	■	100 / 100 / 1,000		41.1500.005
Lithium heparin LH	1.3 ml	■	100 / 100 / 1,000		41.1503.005
K3 EDTA	1.3 ml	■	100 / 100 / 1,000		41.1504.005
Fluoride + heparin	1.3 ml	■	100 / 100 / 1,000		41.1505.005
Citrate 9NC	1.3 ml	■	100 / 100 / 1,000		41.1506.005
Citrate 9NC	1 ml	■	100 / 100 / 1,000		41.1506
Citrate 9NC	0.5 ml	■	100 / 100 / 1,000		41.1506.002



Prepared micro sample tubes with screw cap: 1.1 and 1.3 ml

Ø 10.8 mm
Length without/with cap 45/47 mm
Base Skirted conical base

- Ideal collection vessels for small volumes of blood
- Screw cap with seal ring ideal for transport and storage
- For direct adaptation on analysers, a screw cap with a membrane is available as an alternative (REF 41.3395.005)
- Paper label with graduations to check the filling level and labelling

Preparation	Nominal volume	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
Clotting activator	1.3 ml	□	100 / 100 / 1,000		41.1392.005
Clotting activator/gel	1.1 ml	■	100 / 100 / 1,000		41.1378.005
Lithium heparin LH	1.3 ml	■	100 / 100 / 1,000		41.1393.005
K3 EDTA	1.3 ml	■	100 / 100 / 1,000		41.1395.005
K3 EDTA	1.3 ml	■	100 / 100 / 1,000		41.3395.005
Fluoride + heparin	1.3 ml	■	100 / 100 / 1,000		41.1394.005
Citrate 9NC	1.3 ml	■	100 / 100 / 1,000		41.1350.005



Prepared sample tubes with push caps and round bottom: 2 - 10 ml

Material
Base

PP
Round base

- Sample tubes for different volumes
- Standard preparations available
- Ideal for a wide variety of requirements
- With graduations to check the filling level

Preparation	Nominal volume	Ø	Length not including cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
K3 EDTA	2 ml	12 mm	55 mm	Not writeable/■	■	100 / 100 / 2,000		38.346
Fluoride + heparin	2 ml	12 mm	75 mm	Not writeable/■	■	100 / 100 / 2,000		36.339
Lithium heparin LH	4 ml	12 mm	75 mm	Not writeable/■	■	100 / 100 / 2,000		36.336
K3 EDTA	4 ml	12 mm	75 mm	Not writeable/■	■	100 / 100 / 2,000		36.338
Clotting activator	4 ml	12 mm	75 mm	–	■	100 / 100 / 2,000		36.350
Clotting activator/gel	4.4 ml	13 mm	75 mm	Writeable/□/■	■	100 / 100 / 1,000		32.311.001
Lithium heparin LH	4.5 ml	13 mm	75 mm	Not writeable/■	■	100 / 100 / 1,000		32.331
Clotting activator	4.5 ml	13 mm	75 mm	Not writeable/□	□	100 / 100 / 1,000		32.329
K3 EDTA	5 ml	13 mm	75 mm	Not writeable/■	■	100 / 100 / 1,000		32.332
Citrate 9NC	5 ml	13 mm	75 mm	Not writeable/■	■	100 / 100 / 500		32.525.326
K3 EDTA	10 ml	16.8 mm	95 mm	Not writeable/■	■	100 / 100 / 1,000		26.358
Lithium heparin LH	10 ml	16.8 mm	95 mm	Not writeable/■	■	100 / 100 / 1,000		26.369
Clotting activator	10 ml	16.8 mm	95 mm	–	□	100 / 100 / 1,000		26.323
Clotting activator	10 ml	16.8 mm	95 mm	Not writeable/□	□	100 / 100 / 1,000		26.367
Clotting activator	10 ml	15.7 mm	100 mm	–	□	500 / 500 / 1,000		28.364



Prepared sample tubes with screw cap and round bottom: 10 ml

Preparation
Material
Base

Clotting activator
PP
Round base

- Sample tubes for different volumes
- Standard preparations available
- Ideal for a wide variety of requirements

Nominal volume	Ø	Length not including cap	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
10 ml	16.5 mm	101 mm	□	100 / 100 / 1,000		46.361



Prepared sample tubes with screw cap and flat bottom: 2 - 10 ml

Material PP
Base Flat base

- Sample tubes for different volumes
- Standard preparations available
- Ideal for a wide variety of requirements
- Sample tube ESR (REF 47.410) is suitable for Sediplus®

Preparation	Nominal volume	Ø	Length not including cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
Citrate, 4NC	2 ml	11.5 mm	66 mm	Not writeable/■	■	100 / 100 / 500		47.410
K3 EDTA	3 ml	11.5 mm	66 mm	Not writeable/■	■	100 / 100 / 2,000		47.556
K3 EDTA	5 ml	16.5 mm	57 mm	Writeable/□/■	■	100 / 100 / 1,000		49.355.001
Heparin	5 ml	16.5 mm	57 mm	Writeable/□/■	■	100 / 100 / 1,000		49.354.001
Heparin	10 ml	16.5 mm	101 mm	Writeable/□/■	■	100 / 100 / 1,000		46.363.001
Clotting activator	10 ml	16.5 mm	101 mm	Writeable/□/■	□	100 / 100 / 1,000		46.390.001



Prepared sample tubes with round bottom: 1,000 µl

Preparation SARSTEDT haemolysis solution
Material PP
Base Conical false bottom, rounded tube bottom

- Sample tubes for direct adaptation for special analysers
- With enclosed end-to-end capillary 20 µl EDTA
- Conical false bottom especially suitable for small volumes

Nominal volume	Ø	Length not including cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
1,000 µl	15.3 mm	92 mm	Not writeable/□	□	100 / 100 / 500		45.498.003



Prepared sample tubes with flat bottom: 1,000 µl

Preparation Roche HbA1c haemolysis solution
Material PP
Base Flat base

- Sample tubes for direct adaptation for special analysers
- With enclosed end-to-end capillary 10 µl NH4
- Screw cap with pierceable membrane

Nominal volume	Ø	Length not including cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
1,000 µl	11.5 mm	66 mm	Writeable/□/■	■	50 / 50 / 500		47.409.001

Block rack D12



Dimensions	152 x 80 x 45 mm
Format	5 x 10
Diameter of the opening	12 mm
Material	PP
Handle	No

- Can be autoclaved at 121 °C
- Particularly space-saving sample storage
- Can be combined to form sample distribution blocks
- 50 holes for S-Monovettes and tubes with Ø 8 - 12 mm
- Different colour for each area of the laboratory

Colour	Packaging (SP/IB/OC)	SP	Order no.
■	1 / 1 / 20	-	93.854
■	1 / 1 / 20	-	93.854.121
■	1 / 1 / 20	-	93.854.122
■	1 / 1 / 20	-	93.854.123
■	1 / 1 / 20	-	93.854.124
■	1 / 1 / 20	-	93.854.125

Block rack D13



Dimensions	180 x 96 x 45 mm
Format	5 x 10
Diameter of the opening	13 mm
Material	PP
Handle	No

- Can be autoclaved at 121 °C
- Particularly space-saving sample storage
- 50 holes for S-Monovettes and tubes with Ø 8 - 13 mm
- Different colour for each area of the laboratory

Colour	Packaging (SP/IB/OC)	SP	Order no.
■	1 / 1 / 16	-	93.853
■	1 / 1 / 16	-	93.853.131
■	1 / 1 / 16	-	93.853.132
■	1 / 1 / 16	-	93.853.133
■	1 / 1 / 16	-	93.853.134
■	1 / 1 / 16	-	93.853.135

Double block rack D13



Dimensions	360 x 96 x 45 mm
Format	5 x 20
Diameter of the opening	13 mm
Material	PP
Handle	No

- Can be autoclaved at 121 °C
- Twice the number of holes
- Can be combined to form sample distribution blocks
- 100 holes for S-Monovettes and tubes with Ø 8 - 13 mm

Colour	Packaging (SP/IB/OC)	SP	Order no.
■	1 / 1 / 8	-	93.853.300

Double block rack D13



Dimensions	180 x 192 x 45 mm
Format	10 x 10
Diameter of the opening	13 mm
Material	PP
Handle	No

- Can be autoclaved at 121 °C
- Twice the number of holes
- Can be combined to form sample distribution blocks
- 100 holes for S-Monovettes and tubes with Ø 8 - 13 mm

Colour	Packaging (SP/IB/OC)	SP	Order no.
■	1 / 1 / 8	-	93.853.200

Block rack D17



Format 5 x 10
Diameter of the opening 17 mm
Material PP

- Can be autoclaved at 121 °C
- Particularly space-saving sample storage
- Available with or without handle for better handling
- 50 holes for S-Monovettes and tubes with Ø 13 - 17 mm
- Different colour for each area of the laboratory

Dimensions	Colour	Handle	Packaging (SP/IB/OC)	SP	Order no.
209 x 109 x 45 mm	■	No	1 / 1 / 20	-	93.852
209 x 109 x 45 mm	■	No	1 / 1 / 20	-	93.852.171
209 x 109 x 45 mm	■	No	1 / 1 / 20	-	93.852.172
209 x 109 x 45 mm	■	No	1 / 1 / 20	-	93.852.173
209 x 109 x 45 mm	■	No	1 / 1 / 20	-	93.852.174
209 x 109 x 45 mm	■	No	1 / 1 / 20	-	93.852.175
209 x 109 x 45 mm	■	No	1 / 1 / 20	-	93.852.168
209 x 109 x 45 mm	■	No	1 / 1 / 20	-	93.852.169
209 x 109 x 45 mm	□	No	1 / 1 / 20	-	93.852.170
246 x 109 x 45 mm	■	Yes	1 / 1 / 12	-	93.851
246 x 109 x 45 mm	■	Yes	1 / 1 / 12	-	93.851.171
246 x 109 x 45 mm	■	Yes	1 / 1 / 12	-	93.851.172
246 x 109 x 45 mm	■	Yes	1 / 1 / 12	-	93.851.173
246 x 109 x 45 mm	■	Yes	1 / 1 / 12	-	93.851.174

Double block rack D17



Dimensions 209 x 218 x 45 mm
Format 5 x 20
Diameter of the opening 17 mm
Material PP
Handle No

- Can be autoclaved at 121 °C
- Twice the number of holes
- 100 holes for S-Monovettes and tubes with Ø 13 - 17 mm

Colour	Packaging (SP/IB/OC)	SP	Order no.
■	1 / 1 / 12	-	93.852.300

Double block rack D17



Dimensions	209 x 218 x 45 mm
Format	10 x 10
Diameter of the opening	17 mm
Material	PP
Handle	No

- Can be autoclaved at 121 °C
- Twice the number of holes
- 100 holes for S-Monovettes and tubes with Ø 13 - 17 mm


Colour	Packaging (SP/IB/OC)	SP	Order no.
■	1 / 1 / 12	-	93.852.200

Protective cover for block rack D17



Suitable for	Block rack D17
Material	ABS




- Can be autoclaved at 121 °C
- High-strength acrylonitrile butadiene styrene (ABS)
- Optimal cover for opened tubes during sample storage
- Prevents opened tubes from becoming contaminated in the refrigerator

Colour	Packaging (SP/IB/OC)	SP	Order no.
■	25 / 25 / 25		93.857

Centrifuge SC 2700



- Centrifugation up to max. 2,700 x g
- 6-fold swing-out rotor
- Easy operation thanks to preinstalled programs
- High quality and smooth operation
- Displays showing the target/actual values and the remaining time

Description	Weight	Suitable for	Scope of delivery	Packaging (SP/IB/OC)	SP	Order no.
Centrifuge	16.655 kg	Separation of serum/plasma from the blood cells	Swing-out rotor 6-fold and tube holder 1-fold for tubes up to x 100 mm length	1 / 1 / 1		90.183.000
Tube holder	0.021 kg	Centrifuge SC 2700	–	2 / 2 / 50		90.183.100
Adapter	0.002 kg	Centrifuge SC 2700	–	2 / 2 / 300		90.183.200



There for you in every situation!

Our capillary blood collection systems are among the most versatile on the whole market. Depending on your needs, we offer the Microvette® with nominal volumes between 100 and 500 µl, conical or cylindrical inner shapes as well as different collection techniques – end-to-end or with a collection rim. The Microvette® can also be used in combination with the micro needle as a drip vessel for open venous blood collection.

The specialised Microvette® APT – Automated Processing Tube was specially developed for automated processing on blood count analysis systems and meets all the important requirements of a primary tube for this purpose. The pierceable quick-release cap makes it possible to conduct an automated blood count as with venous samples. Using the same procedures as you would with routine venous samples allows you to avoid pre-analytical errors and improve turn-around times.

The Minivette® POCT was specially developed to meet the demands of point-of-care diagnostics.

It provides safe and hygienic handling along with precise dosing of the required test volume of 10 µl, 20 µl, 50 µl, 100 µl and 200 µl. The pre-analytical requirements for reliable POCT diagnostics require simple yet precise blood volume collection.

The sample containers mentioned are best used together with our lancets. The safety lancets guarantee optimal safety for patients and users and are flexible with regard to the penetration depth and the required quantity of blood. The needle and blade are always safely in the lancet casing before and after use, which prevents needlestick injuries and cross-contamination.

For daily routine analysis, the blood sedimentation device Sediplus® S 2000 NX provides automated processing of samples. Optional modular extensions for up to 160 measuring positions are available if required.

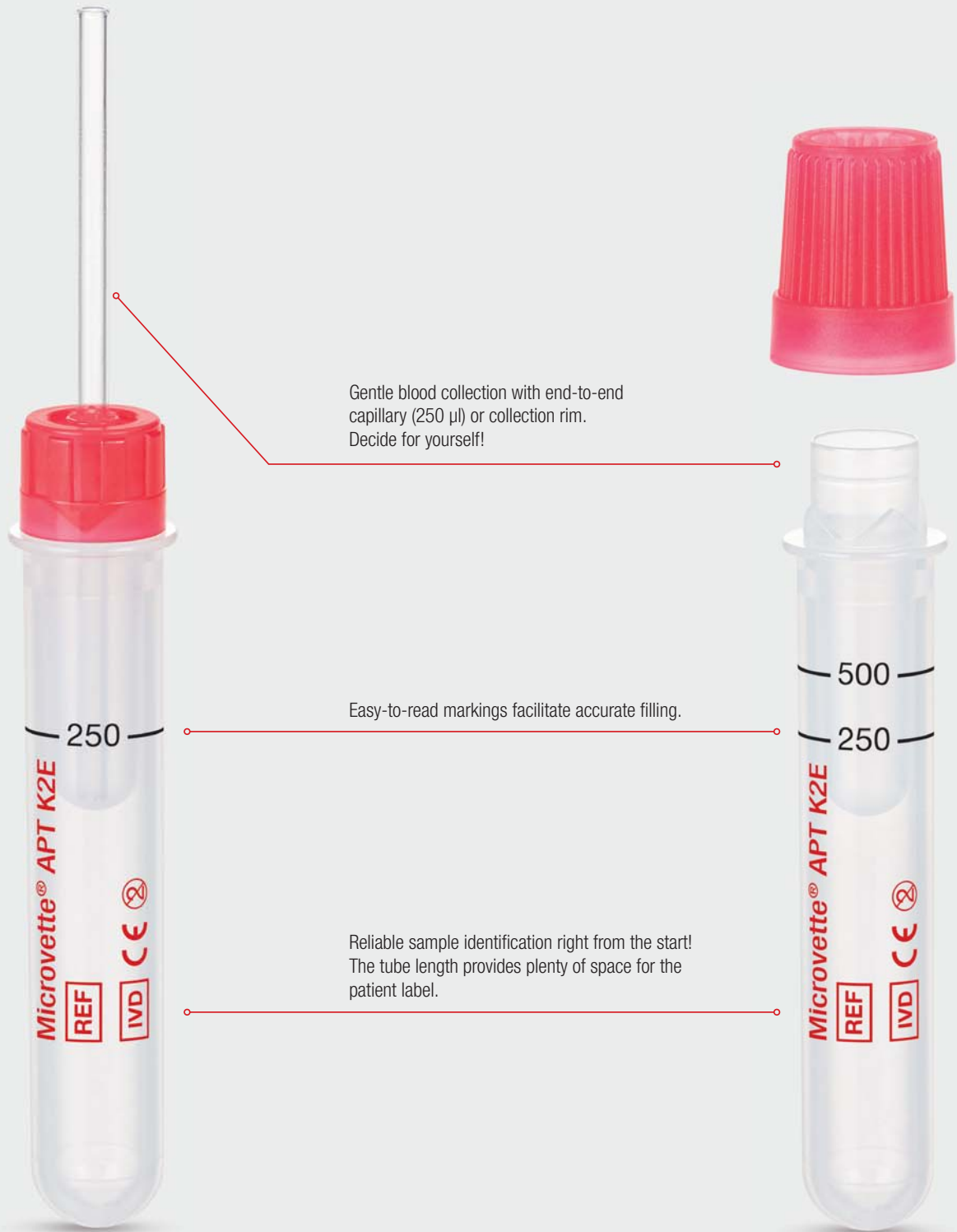
The Blood Gas Monovette® with a volume of just 1 ml minimises diagnostic blood loss in patients who require special monitoring. In addition, the fluid-dosed Ca²⁺-balanced heparin ensures the rapid and optimal mixing of blood and anticoagulant.



Capillary blood, ESR and BGA

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Microvette® APT · Automated Processing Tube



Gentle blood collection with end-to-end capillary (250 µl) or collection rim. Decide for yourself!

Easy-to-read markings facilitate accurate filling.

Reliable sample identification right from the start! The tube length provides plenty of space for the patient label.



- Time-saving analysis – directly and hygienically from the primary vessel.
- Newly developed membrane cap guarantees both safe transport and shipment of the sample.

Every drop is crucial

- K2 EDTA preparation for 250-500 µl capillary blood
- End-to-end capillary (250 µl) for a precise sample volume
- Collection rim all around promotes optimum mixing with the anticoagulant
- Transparent product label for easy sample assessment



For routine capillary blood analysis

The Microvette® APT was specially developed for automated processing on blood count analysis systems and meets all the important requirements of a primary vessel for this purpose. The standard size of 75 x 13 mm also offers sufficient space for all common patient labels.

The pierceable quick-release cap makes it possible to conduct an automated blood count as with venous samples.

The Microvette® APT meets the requirements of the ADR/RID Packing Instruction P650 for primary containers and is also suitable for in-house transport by pneumatic transport systems and newer transport systems such as the Tempus600®.

Pre-analytical sources of error can be avoided with the Microvette® APT using the same procedures as routine venous samples. The Microvette® APT enables the turn-around time (TAT) in capillary blood analysis to be improved and avoids repeated blood collection, which benefits patients.





Capillary blood collection systems for every age and individual requirements

Capillary blood collection facilitates diagnostics with a small volume of blood. SARSTEDT offers innovative solutions for all patient groups.

- Safety lancet and incision lancet
- Minivette® POCT
- Microvette® and Multivette® 600



Safety lancet

Different versions of the safety lancet offer flexibility in the penetration depth and the required quantity of blood. The needle and blade are always safely in the lancet casing before and after use, which prevents needlestick injuries and cross-contamination. In addition, the safety lancet is easy to use thanks to the pre-tensioned system and provides patient-friendly handling.



Minivette® POCT

The Minivette® POCT was specifically developed for point-of-care tests (POCT) and is available in different sizes (10-200 µl) and with three different preparations. Its special feature is the small defined volumes of the Minivette® POCT, which are used to collect and directly dispense (capillary) whole blood samples to test cards / test cartridges. It therefore meets the requirements for performing simple and point-of-contact testing.



Microvette®

The Microvette® is available in all important preparations and offers the widest range of volumes (100-500 µl) on the market. The specimen can be collected flexibly either with the end-to-end capillary and/or the collection rim, depending on the volume. Depending on the requirements, the inner shape can be adjusted to a cylindrical or conical tube. The special cap design makes it easy to open and reduces the aerosol effect.





New-generation blood sedimentation

The Sediplus® S 2000 NX is the solution to automatic blood sedimentation analysis. It is operated with a touch display with intuitive menu navigation. In addition, a printer and scanner can be added to the device.



S-Sedivette®

The S-Sedivette® allows proven closed venous blood collection with choice of aspiration or vacuum technique. 2.8 ml blood are added to the S-Sedivette® pre-dosed with citrate (mixing ratio 1:4).

The ESR measurement is carried out directly in the S-Sedivette® as a closed system.

Blood Gas Monovette®

The Blood Gas Monovette® is available for collecting specimens of arterial and/or venous blood and can be used to determine e.g. blood gas, pH or electrolytes on a blood gas analysis device. As the anticoagulant is present in droplet form (calcium-balanced heparin), this ensures that it quickly and properly mixes with the blood.

Blood gas capillaries










The blood gas capillaries provide reliable measurement results thanks to the selected calcium-balanced heparin coating. The blood gas capillaries also ensure maximum safety during collection as they are made of break-resistant PET plastic. The special surface treatment enables quick filling of the capillary, making sample collection easier and reducing the risk of coagulation.



Safety lancet







- The risk of needlestick injuries and cross-contamination is reduced as the needle or blade are in the casing before and after use
- Safety for users and patients
- The sterile system can be used only once
- Patient-friendly handling as it is activated by a release button
- Large selection of penetration depths and widths depending on the quantity of blood and skin type

Penetration depth	Diameter of the needle	Width of the blade	Colour	Packaging (SP/IB/OC)	SP	Order no.
1.6 mm	28 G	–		200 / 200 / 1,200		85.1015
1.8 mm	21 G	–		200 / 200 / 1,200		85.1016
1.8 mm	18 G	–		200 / 200 / 1,200		85.1017
1.6 mm	–	1.5 mm		200 / 200 / 1,200		85.1018
1.2 mm	–	1.5 mm		200 / 200 / 1,200		85.1019

Safety Heel® incision lancet



- Heel punctures are used to examine neonates and newborns to identify life-threatening, congenital diseases
- Simple operation
- Optimal blood flow without additional rubbing or massaging with a low penetration depth
- The crescent-shaped incision path can help to minimise the formation of haematomas
- Quick healing thanks to low penetration depth

Penetration depth	Width of the blade	Colour	Packaging (SP/IB/OC)	SP	Order no.
0.85 mm	1.75 mm	 /□	50 / 50 / 200		85.1025
1 mm	2.5 mm	 /□	50 / 50 / 200		85.1026



Microvette® APT 250 K2E: 250 µl

Closure Cap
Pierceable membrane Yes

- End-to-end capillary pre-assembled and quick-release cap included
- 2 collection techniques: capillary or collection rim
- Automated processing directly from the primary vessel in routine operation
- Meets the specifications of most blood count analysis systems
- Volumes can be estimated thanks to the graduated tube

Preparation	Nominal volume	Cap colour	Shape of the inner tube	Packaging (SP/IB/OC)	SP	Order no.
K2 EDTA	250 µl	■	Cylindrical	50 / 50 / 500		20.1331



Microvette® APT 500 K2E: 250 and 500 µl

Closure Cap
Pierceable membrane Yes

- Quick-release cap pre-assembled
- Collection techniques via collection rim
- Automated processing directly from the primary vessel in routine operation
- Meets the specifications of most blood count analysis systems
- Volumes can be estimated thanks to the graduated tube

Preparation	Nominal volume	Cap colour	Shape of the inner tube	Packaging (SP/IB/OC)	SP	Order no.
K2 EDTA	250 µl - 500 µl	■	Cylindrical	100 / 100 / 500		20.1330



Microvette® with capillary: 100 and 200 µl

Closure

Cap

- Outer container with skirted base and graduations
- End-to-end capillary pre-assembled
- Smooth cap – special lid design reduces the aerosol effect
- Conical inner tube: after centrifugation, higher supernatant for easier collection of plasma – cylindrical inner tube: optimal tube shape ensures the sample is well mixed
- 2 collection techniques: capillary or collection rim

Preparation	Nominal volume	Cap colour	Shape of the inner tube	Packaging (SP/IB/OC)	SP	Order no.
Clotting activator	100 µl	□	Conical	100 / 100 / 1,000		20.1280
Lithium heparin LH	100 µl	■	Conical	100 / 100 / 1,000		20.1282
K3 EDTA	100 µl	■	Cylindrical	100 / 100 / 1,000		20.1278
Clotting activator	200 µl	□	Conical	100 / 100 / 1,000		20.1290
Clotting activator/gel	200 µl	■	Cylindrical	100 / 100 / 1,000		20.1291
Lithium heparin LH	200 µl	■	Conical	100 / 100 / 1,000		20.1292
K3 EDTA	200 µl	■	Cylindrical	100 / 100 / 1,000		20.1288
Fluoride + heparin	200 µl	■	Conical	100 / 100 / 1,000		20.1289



Microvette® 300 with collection rim: 300 µl

Closure

Cap

- Outer container with skirted base
- Smooth cap – special lid design reduces the aerosol effect
- Volumes can be estimated thanks to the graduated tube
- Conical inner tube: supernatant is higher after centrifugation for easier collection of plasma
- Collection techniques via collection rim

Preparation	Nominal volume	Cap colour	Shape of the inner tube	Packaging (SP/IB/OC)	SP	Order no.
Clotting activator	300 µl	□	Conical	100 / 100 / 1,000		20.1308
Lithium heparin LH	300 µl	■	Conical	100 / 100 / 1,000		20.1309
Fluoride + heparin	300 µl	■	Conical	100 / 100 / 1,000		20.1307



Microvette® 500 with collection rim: 500 µl

Closure

Cap

- Outer container with skirted base
- Smooth cap – special lid design reduces the aerosol effect
- Volumes can be estimated thanks to the graduated tube
- Cylindrical inner tube: optimal tube shape ensures the sample is well mixed
- Collection techniques via collection rim

Preparation	Nominal volume	Cap colour	Shape of the inner tube	Packaging (SP/IB/OC)	SP	Order no.
Clotting activator	500 µl	□	Cylindrical	100 / 100 / 1,000		20.1343
Clotting activator/gel	500 µl	■	Cylindrical	100 / 100 / 1,000		20.1344
Lithium heparin LH	500 µl	■	Cylindrical	100 / 100 / 1,000		20.1345
Lithium heparin gel	500 µl	■	Cylindrical	100 / 100 / 1,000		20.1346
K3 EDTA	500 µl	■	Cylindrical	100 / 100 / 1,000		20.1341



Multivette® 600: 600 µl

Closure

Screw cap

- Dual blood collection system for small volumes: Venous blood collection with a Luer cannula and capillary blood collection using the end-to-end capillary
- Easy and safe handling
- Outer container with skirted base
- Volumes can be estimated thanks to the graduated tube

Preparation	Nominal volume	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
Clotting activator	600 µl	□	100 / 100 / 1,000		15.1670
Clotting activator/gel	600 µl	■	100 / 100 / 1,000		15.1674
Lithium heparin LH	600 µl	■	100 / 100 / 1,000		15.1673
Lithium heparin gel	600 µl	■	100 / 100 / 1,000		15.1675
K3 EDTA	600 µl	■	100 / 100 / 1,000		15.1671
Fluoride + heparin	600 µl	■	100 / 100 / 1,000		15.1672



Minivette® POCT: 10 - 200 µl

- Volume range: 10 - 200 µl
- Capillary blood collection system for point-of-contact testing (POCT)
- Collection and direct exact dispensing of small sample volumes
- No dripping when transferring the sample to a POCT test card

Preparation	Nominal volume	Plunger colour	Packaging (SP/IB/OC)	SP	Order no.
Without preparation	10 µl	□	200 / 200 / 2,000		17.2111.010
Without preparation	20 µl	□	200 / 200 / 2,000		17.2111.020
Heparin	20 µl	■	200 / 200 / 2,000		17.2112.020
K3 EDTA	20 µl	■	200 / 200 / 2,000		17.2113.020
Without preparation	50 µl	□	200 / 200 / 2,000		17.2111.050
Heparin	50 µl	■	200 / 200 / 2,000		17.2112.050
K3 EDTA	50 µl	■	200 / 200 / 2,000		17.2113.050
Without preparation	100 µl	□	200 / 200 / 2,000		17.2111.100
Heparin	100 µl	■	200 / 200 / 2,000		17.2112.100
Without preparation	200 µl	□	150 / 150 / 1,500		17.2111.200
Heparin	200 µl	■	150 / 150 / 1,500		17.2112.200



Carrier tubes for Microvette® and Multivette® 600

- Manual integration of the sample tube in the carrier tube
- Optimal space for patient and barcode label
- Can be used in centrifuges thanks to the larger dimensions of the sample tube

Suitable for	Length x Ø	Base shape	Colour	Packaging (SP/IB/OC)	SP	Order no.
Multivette®	60 x 11.5 mm	Flat base	☒	250 / 250 / 1,000		55.1577
Multivette®	60 x 11.5 mm	Flat base	■	250 / 250 / 1,000		55.1577.002
S-Monovette® with Ø 8 mm, Microvette® and micro sample tubes	65 x 13 mm	Round base	☒	250 / 250 / 1,000		55.1571
S-Monovette® with Ø 8 mm, Microvette® and micro sample tubes	65 x 13 mm	Round base	■	250 / 250 / 1,000		55.1571.051
Microvette® and micro sample tubes with screw cap	75 x 13 mm	Round base	☒	250 / 250 / 2,000		55.525.003
Microvette® and micro sample tubes with screw cap	75 x 13 mm	Round base	■	250 / 250 / 2,000		55.525.002



Micro sample tubes with haemolysis solution: 500 and 1,000 µl

Suitable for

Blood sugar determination from capillary blood

- Pre-dosed with haemolysis solution – various solutions available for selection
- Pre-dosed volume can be transferred using the control marking
- Container type 1: with non-writable soft cap and without skirted base
- Container type 2: with writable soft cap and with skirted base

Preparation	Dosing/capillary	Vessel type	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
Roche haemolysis solution gen. 2	500 µl Roche-Gen. 2/20 µl	2	□	100 / 100 / 1,000		41.1438.901
DiaSys haemolysis solution	1,000 µl DiaSys/20 µl	1	□	100 / 100 / 1,000		41.1178.903
SARSTEDT haemolysis solution	1,000 µl haemolysis solution/20 µl	1	■	100 / 100 / 1,000		41.1438.904
ESAT haemolysis solution	1,000 µl ESAT/20µl	2	■	100 / 100 / 1,000		41.1443.904



End-to-end capillaries: 10 and 20 µl

Material

Glass

- Volumes: 10 µl and 20 µl
- Preparations: Ammonium heparin, EDTA

Nominal volume	Preparation	Colour	Packaging (SP/IB/OC)	SP	Order no.
10 µl	Ammonium heparin	☒	100 / 1,000 / 50,000		19.414.001
20 µl	K2 EDTA	☒	100 / 1,000 / 50,000		19.447.001



Capillary holder for end-to-end capillaries

- Accessories for end-to-end capillary
- To securely hold the end-to-end capillaries during blood collection
- Safe distance to the puncture site

Colour	Packaging (SP/IB/OC)	SP	Order no.
■	5 / 5 / 1,000		95.1048



Microvette® CB 200 ESR: 200 µl

Preparation

Trisodium citrate solution (1:4)

- Capillary blood collection system for blood sedimentation
- Minimal patient discomfort thanks to low sample volume
- Pre-dosed with citrate and with assembled push cap
- With prepared end-to-end collection capillary and enclosed sedimentation capillary
- Suitable for the SARSTEDT ESR rack (REF 90.1091)

Nominal volume	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
200 µl	■	50 / 50 / 500		18.1325



ESR rack for Microvette® CB 200

Measuring stations

10

- Results can be read easily and precisely due to the graduated scale on the rear wall
- 10 samples can be measured manually either simultaneously or at different times
- Verified good comparison values with the Westergren method
- Optimally developed for the Microvette® CB 200

Packaging (SP/IB/OC)	SP	Order no.
1 / 1 / 8		90.1091



S-Sedivette®: 3.5 ml

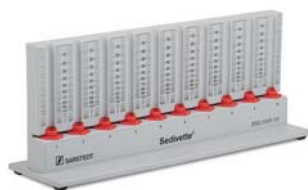
Preparation

Trisodium citrate/citric acid buffer solution

- Closed blood collection system for hygienic and simple handling
- For whole venous blood collection (4NC)
- Preparation: 0.105 molar citrate buffer solution (pH 5.5). 4NC - concentration based on ISO 6710. The mixture ratio of citrate to blood is 1:4 – 1 part by volume citrate and 4 parts by volume blood.
- Measurement directly in the sampling tube, no transfer required
- For use in: Erythrocyte sedimentation rate or blood sedimentation (ESR)

Nominal volume	Length x Ø	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
3.5 ml	130 x 8 mm	■	50 / 50 / 500		06.1690.001

ESR racks for S-Sedivette®



Measuring stations

10

- 10 samples can be measured manually either simultaneously or at different times
- Optimally developed for the closed ESR blood collection system S-Sedivette®
- The measurement results obtained are equivalent to the Westergren method in mm.
- Results can be read easily and reliably due to the graduated scale on the rear wall
- No transferring of blood, no sedimentation pipette required

Packaging (SP/IB/OC)	SP	Order no.
1 / 1 / 16		90.1090

Sediplus® S 2000 NX



Measuring stations

40

- Optimally developed for the closed ESR blood collection system S-Sedivette®
- The measurement results obtained are equivalent to the Westergren method in mm.
- 40 specimens can be measured automatically, either simultaneously or at different times
- Touch display with intuitive menu navigation
- Interfaces for LIS/printer and keypad/barcode scanner

Design	Packaging (SP/IB/OC)	SP	Order no.
incl. Test-Sedivettes for functional tests	1 / 1 / 1		90.1092

Accessories for Sediplus® S 2000 NX



- Optional accessories for simple and quick handling
- Reliable sample identification with the aid of the barcode scanner
- Automatic printout of the measurement results on a thermal printer


Description	Suitable for	Design	Packaging (SP/IB/OC)	SP	Order no.
Barcode scanner	Sediplus® S 2000 NX	incl. USB connection	1 / 1 / 1		90.1092.730
Thermal printer	Sediplus® S 2000 NX	incl. mains adapter	1 / 1 / 1		90.1092.720
Paper roll	Thermal printer REF. 90.189.720 & 90.1092.720	–	1 / 1 / 1		90.188.055

SARMIX® M 2000



Voltage 100/240 V
Frequency 50 Hz - 60 Hz
Design Shaking function


- Rotation mixer with variable speed and shaking function
- Ideal for applications in haematology and research
- Mixing programs for various tasks
- Exchangeable rotors for many tube sizes
- Delivery without rotor

Description	Scope of delivery	Packaging (SP/IB/OC)	SP	Order no.
Rotation mixer	incl. mains adapter 100–240 V, DC with EU/UK/US plug	1 / 1 / 1		90.180.600

Block rotor for SARMIX® M 2000 (S-Sedivette®)



- Optimally developed for the closed ESR blood collection system S-Sedivette®
- Gentle and thorough homogenisation of the ESR specimens
- For up to 40 S-Sedivettes at the same time

Packaging (SP/IB/OC)	SP	Order no.
1 / 1 / 10		92.180.615



Blood Gas Monovette® 1 and 2 ml

Preparation

Calcium-balanced lithium heparin

- For arterial and venous blood gas analysis
- For whole blood extraction (LH)
- Preparation: Calcium-balanced lithium heparin in droplet form as a spray dose; 50 IU heparin/ml blood
- Suitable for determining electrolytes, as calcium (Ca²⁺)-balanced heparin is used

Nominal volume	Length x Ø	Label/print	Cap colour	Design	Packaging (SP/IB/OC)	SP	Order no.
1 ml	66 x 11 mm	With plastic label	□/■	–	50 / 50 / 500		05.1146
1 ml	66 x 11 mm	With plastic label	□/■	–	1 / 100 / 500		05.1146.020
2 ml	66 x 11 mm	With plastic label	□/■	–	50 / 50 / 500		05.1147
2 ml	66 x 11 mm	With plastic label	□/■	–	1 / 100 / 500		05.1147.020
2 ml	66 x 11 mm	With plastic label	□/■	Membrane adapter assembled	1 / 100 / 500		05.1147.028
2 ml	66 x 11 mm	With plastic label	□/■	Ventilator assembled	1 / 100 / 500		05.1147.048



Accessories for Blood Gas Monovette®, ventilator

- For hygienic ventilation of the Blood Gas Monovette® immediately after blood collection
- Contamination-free as air is pressed into the ventilator housing
- No swab is needed

Colour	Packaging (SP/IB/OC)	SP	Order no.
☒/■	500 / 500 / 1,000		14.1148



Membrane adapter

- For the reliable adaptation of the S-Monovette® needle/Safety-Multifly® needle with a male Luer system, e.g. Blood Gas Monovette®
- Ready to use immediately
- Sterile, non-pyrogenic/endotoxin-free

Packaging (SP/IB/OC)	SP	Order no.
1 / 100 / 1,000		14.1112



Blood gas capillaries: 100 - 175 µl

- For capillary blood gas analysis with various volumes
- Preparation: Calcium-balanced lithium heparin in droplet form as a spray dose; 80 IU heparin/ml blood
- Suitable for determining electrolytes, as calcium (Ca²⁺)-balanced heparin is used
- Capillary made of PET is very flexible (unbreakable) and has very low gas permeability

Nominal volume	Packaging (SP/IB/OC)	SP	Order no.
100 µl	250 / 250 / 16,000		19.930.100
125 µl	250 / 250 / 16,000		19.930.125
140 µl	200 / 200 / 12,800		19.930.140
175 µl	200 / 200 / 12,800		19.930.175



Accessories for blood gas capillaries

- Quick-release caps: Good sealing properties thanks to flexible TPE material
- Quick-release caps: Optimum grip due to flat shape
- Quick-release caps: Different sizes corresponding to the outer capillary diameter
- Mixing wire: Suitable for all SARSTEDT blood gas capillaries
- Magnet: Ergonomic handle ensures good handling

Description	Suitable for	Colour	Packaging (SP/IB/OC)	SP	Order no.
Mixing wire	Blood gas capillaries	–	250 / 250 / 41,250		95.936
Magnet	Blood gas capillaries		10 / 10 / 160		95.937
Quick-release cap 2.05 mm	Blood gas capillaries 100 µl / 125 µl		500 / 500 / 32,000		65.935.205
Quick-release cap 2.3 mm	Blood gas capillaries 140 µl / 175 µl		400 / 400 / 32,000		65.935.230



Blood gas capillary sets: 100 - 175 µl

- Practical order unit for each capillary size with corresponding quick-release caps and mixing wires
- Preparation: Calcium-balanced lithium heparin in droplet form as a spray dose; 80 IU heparin/ml blood
- Suitable for determining electrolytes, as calcium (Ca²⁺)-balanced heparin is used
- Capillary made of PET is very flexible (unbreakable) and has very low gas permeability

Nominal volume	Set components	Packaging (SP/IB/OC)	SP	Order no.
100 µl	1,000 PET plastic capillaries, 100 µl (4 x 250 pieces REF 19.930.100), 2,000 white quick-release caps (4 x 500 pieces REF 65.935.205) and 1,000 mixing wires (4 x 250 pieces REF 95.936)	1 / 1 / 16		51.931.100
125 µl	1,000 PET plastic capillaries, 125 µl (4 x 250 pieces REF 19.930.125), 2,000 white quick-release caps (4 x 500 pieces REF 65.935.205) and 1,000 mixing wires (4 x 250 pieces REF 95.936)	1 / 1 / 16		51.931.125
140 µl	800 PET plastic capillaries, 140 µl (4 x 200 pieces REF 19.930.140), 1,600 blue quick-release caps (4 x 400 pieces REF 65.935.230) and 1,000 mixing wires (4 x 250 pieces REF 95.936)	1 / 1 / 16		51.931.140
175 µl	800 PET plastic capillaries, 175 µl (4 x 200 pieces REF 19.930.175), 1,600 blue quick-release caps (4 x 400 pieces REF 65.935.230) and 1,000 mixing wires (4 x 250 pieces REF 95.936)	1 / 1 / 16		51.931.175



Hygiene and safety are our priority

In order to meet the various requirements of the hygienic collection, safe transport and storage of diagnostic sample materials, SARSTEDT offers many high-quality products for collecting urine, stool, saliva, CSF and tissue samples.

Small- and large-volume urine collection tubes are available for daily urine diagnostics, optimally supplemented by the UriSet 24. The UriSet 24 is a patient-friendly solution for the entire 24-hour collection period and also stabilises the urine at the same time.

In order to hygienically collect stool samples, all collection receptacles are fitted with an integrated dosing aid. The faeces tubes combined with the wide and stable blade in the screw cap enable particularly easy sampling.

Clear and sterile collection tubes are particularly necessary for CSF diagnostics. The use of suitable materials such as polypropylene meets the guidelines of the German Society for CSF Diagnostics and Clinical Neurochemistry (DGLN) and helps to ensure standardised collection of CSF for pre-analytics.

The Salivette® allows saliva to be collected easily and hygienically for diagnosis and to check the various parameters of a treatment. Determining cortisol levels is particularly important here, for which a special absorbent material has been developed.

Our closed formalin system offers optimal user protection from dangerous formalin fumes and enables fixation of tissue samples without any contamination.



Urine, stool, saliva,
cerebrospinal fluid,
tissue

Urine · Stool · Saliva · Cerebrospinal fluid · Tissue

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NFT • Needle Free Transfer The first urine collection system from SARSTEDT for hygienic, closed and needle-free sample collection

Liquid and odour tight Screw cap with transfer unit

Sealed The intact safety label indicates the internal sterility of the NFT urine cup

Graduations
Volume can be clearly read

Clear case
Highly transparent container of robust polypropylene (PP) for good visual assessment

Innovative
Needle-free transfer unit with pierceable NFT membrane



The best from various systems

The NFT urine collection system no longer contains a needle.

The Urine Monovette® easily pierces the innovative NFT membrane on an NFT urine cup or an NFT urine container. Following easy collection, the opening closes immediately and remains hygienically sealed even after collecting several samples.

There is no risk of infection from a needlestick injury, and NFT products do not need to be disposed of in sharps containers.



Urine, stool, saliva,
cerebrospinal fluid,
tissue

Hygienic, practical and reliable.

The NFT system with Urine Monovette®, NFT urine cup and NFT urine collection container ensures hygienic working conditions during the entire sample collection process:

- With the Urine Monovette® and the enclosed suction tip, you can carry out the transfer process without a needle, even if the filling quantity is very small. A separate transfer unit as in vacuum systems is not needed.
- Intuitive handling can be learned quickly without extensive training.
- With the Urine Monovette®, the aspiration principle allows the collection process to be repeated if necessary – there is no risk of loss of function through incorrect use.
- The well-designed, needle-free collection function minimises the risk of injury for personnel and patient.
- After collection, the products of the NFT system do not need to be disposed of separately in needle-proof containers – saving time and money compared with products with an integrated needle.





Urine Monovette®

The Urine Monovette® enables hygienic, needle-free sample collection from urine containers and urine drainage systems.

Subsequently, a urine analysis with commercially available test strips can be carried out directly in the filled Urine Monovette®. If necessary, the Urine Monovette® is also suitable for collecting sediment in centrifuges and for further urine analysis in fully automated urine analysis systems.

The Urine Monovette® can also be used as a transport container as per P650 of the ADR and IATA, making them ideal for routine work.



Salivette®

The Salivette® offers an ideal method for hygienically collecting whole saliva. With no medical personnel required, examination material can also be easily and independently collected at home. For collecting saliva, the Salivette® is available with a variety of absorbent rolls for every application.

CSF tube with false bottom

The CSF tube with false bottom meets the requirements for reliable pre-analytics in Alzheimer's disease diagnostics. The new product combines the optimal low binding properties with the requirements of a routine sample tube in the proven dimensions 75 x 13 mm for this very specific sample material.

Faeces tube

Faeces tubes with a screw cap and collection spoon are suitable for easily and hygienically collecting stool samples. In addition to a variety of sizes, there are also various stool spoons available.



Urine, stool, saliva,
cerebrospinal fluid,
tissue



Urine Monovette® 3.2 - 10 ml

Material	PP
Preparation	Without preparation
Connection	Luer (m)
Closure type	Screw cap

- Hygiene and protection for patients and users
- Completely needle-free sample collection and processing
- Entire routine diagnostics can be performed easily from one container
- Primary container for transport as per ADR and IATA
- With graduations to check the filling level

Nominal volume	Length x Ø	Label/print	Light protection	Purity	Packaging (SP/IB/OC)	SP	Order no.
3.2 ml	75 x 13 mm	Writeable/□/■	No	–	64 / 64 / 512		10.250.001
8.5 ml	92 x 15 mm	Not writeable/■	No	Sterile	1 / 100 / 500		10.258.020
8.5 ml	92 x 15 mm	Not writeable/■	No	–	64 / 64 / 512		10.258
8.5 ml	92 x 15 mm	Pre-barcoded/■	No	–	64 / 64 / 512		10.258.088
8.5 ml	92 x 15 mm	Pre-barcoded/■	No	Sterile	1 / 100 / 500		10.258.388
10 ml	102 x 15 mm	Not writeable/■	No	Sterile	1 / 100 / 500		10.252.020
10 ml	102 x 15 mm	Not writeable/■	No	–	64 / 64 / 512		10.252
10 ml	102 x 15 mm	Not writeable/■	Yes	–	64 / 64 / 512		10.252.030
10 ml	102 x 15 mm	Writeable/□/■	No	–	64 / 64 / 512		10.252.001
10 ml	102 x 15 mm	Pre-barcoded/■	No	–	64 / 64 / 512		10.252.088
10 ml	102 x 15 mm	Pre-barcoded/■	No	Sterile	1 / 100 / 500		10.252.388



Urine Monovette® with stabiliser: 10 ml

Material	PP
Preparation	Boric acid
Connection	Luer (m)
Closure type	Screw cap

- Hygiene and protection for patients and users
- Completely needle-free sample collection and processing
- Developed for microbiological tests
- Effective stabilisation at room temperature for up to 48 hours
- Primary container for transport as per ADR and IATA

Nominal volume	Length x Ø	Label/print	Light protection	Purity	Packaging (SP/IB/OC)	SP	Order no.
10 ml	102 x 15 mm	Not writeable/■	No	Sterile	1 / 100 / 500		10.253.020
10 ml	102 x 15 mm	Not writeable/■	No	–	64 / 64 / 512		10.253
10 ml	102 x 15 mm	Writeable/□/■	No	Sterile	1 / 100 / 500		10.253.021
10 ml	102 x 15 mm	Writeable/□/■	No	–	64 / 64 / 512		10.253.001
10 ml	102 x 15 mm	Pre-barcoded/□/■	No	–	64 / 64 / 512		10.253.088
10 ml	102 x 15 mm	Pre-barcoded/□/■	No	Sterile	1 / 100 / 500		10.253.388



Collection tip for Urine Monovette®

Material	PP
Length of suction tube	76 mm
Ø	8 mm

- Ideal diameter for optimal sample integrity
- Easily visible on a light background
- Hygienic urine collection with the Urine Monovette®

Packaging (SP/IB/OC)	SP	Order no.
100 / 100 / 5,000		10.251

Urine, stool, saliva, cerebrospinal fluid, tissue

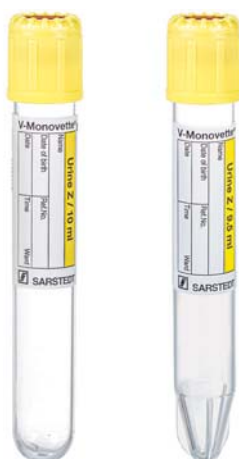


NFT urine cup: 100 ml

Material	PP
Height x Ø	72 x 62 mm
Purity	Sterile
Closure	Assembled

- Completely needle-free sample collection and processing with the Urine Monovette®
- Suitable for transport and storage
- With graduations and labelling area
- Odour-tight screw cap
- 100% guaranteed sterility thanks to the safety label

Design	Cap colour	Label/print colour	Packaging (SP/IB/OC)	SP	Order no.
With safety label and needle-free transfer device	<input type="checkbox"/>	<input type="checkbox"/> /■	5 / 5 / 200		75.562.900



V-Monovette® Urine: 4 - 10 ml

Material	PET
Preparation	Without preparation
Closure	Membrane cap
Purity	Sterile

- Hygiene and convenience for patients and users
- Entire routine diagnostics can be performed easily from one container
- Centrifugation recommendation: 400 x g/5 min/20 °C

Nominal volume	Length x Ø	Label/print	Base shape	Packaging (SP/IB/OC)	SP	Order no.
4 ml	75 x 13 mm	Writeable/ <input type="checkbox"/> /■	Round base	50 / 50 / 500		11.2252.001
6 ml	100 x 13 mm	Writeable/ <input type="checkbox"/> /■	Round base	50 / 50 / 500		11.2352.001
9.5 ml	100 x 15 mm	Writeable/ <input type="checkbox"/> /■	Conical base	50 / 50 / 500		11.2552.001
10 ml	100 x 15 mm	Writeable/ <input type="checkbox"/> /■	Round base	50 / 50 / 500		11.2452.001



V-Monovette® Urine with stabiliser: 4 and 10 ml

Material	PET
Preparation	Boric acid
Base shape	Round base
Closure	Membrane cap
Purity	Sterile

- Hygiene and convenience for patients and users
- Developed for microbiological tests
- Effective stabilisation at room temperature for up to 48 hours

Nominal volume	Length x Ø	Label/print	Packaging (SP/IB/OC)	SP	Order no.
4 ml	75 x 13 mm	Writeable/□/■	50 / 50 / 500		11.2253.001
10 ml	100 x 15 mm	Writeable/□/■	50 / 50 / 500		11.2453.001



Transfer unit

Tube length	10 cm
Design	With wings on the tube holder

- Hygiene and convenience for patients and users
- Practical urine transfer to every V-Monovette® Urine
- Optimal length of suction tube suitable for all common urine cups

Packaging (SP/IB/OC)	SP	Order no.
50 / 50 / 500		11.1240.100



Urine cup with integrated transfer unit: 100 ml

Material	PP
Height x Ø	72 x 62 mm
Purity	Sterile
Closure	Assembled

- Hygiene and convenience for patients and users
- Practical urine transfer to a V-Monovette® Urine from volumes of 20 ml
- With graduations and labelling area
- Odour-tight screw cap
- 100% guaranteed sterility thanks to the safety label

Design	Cap colour	Label/print colour	Packaging (SP/IB/OC)	SP	Order no.
With safety label and transfer device	■	□/■/■	5 / 200 / 200		75.562.400



Urine collection container with an integrated transfer unit: 3 litres

Height x Ø	243 x 83.5 mm
Material	PE
Minimum filling volume	700 ml
Application	Closed urine transfer to a V-Monovette® Urine
Design	With integrated transfer unit
Closure type	Screw cap
Label language	English

- Hygiene and convenience for patients and users
- Large opening diameter (80 mm) and ergonomic recessed grips for secure handling
- Transparent viewing strip with graduations in 100 ml increments to determine the exact volume collected
- Self-adhesive label with information on patient and collection period enclosed
- Additional self-adhesive label (84.1402.001) for the urine container available separately

Packaging (SP/IB/OC)	SP	Order no.
30 / 30 / 30		77.575.401



NFT urine container: 3 litres

Height x Ø	243 x 83.5 mm
Material	PE
Application	Closed urine transfer to a Urine Monovette®
Design	With integrated needle-free transfer unit
Closure type	Screw cap
Label language	German/English
Label information	QR code links to multilingual handling instructions

- Completely needle-free sample collection and processing with the Urine Monovette®
- Large opening diameter (80 mm) and ergonomic recessed grips for secure handling
- Transparent viewing strip with graduations in 100 ml increments to easily determine the volume collected
- Product label with information on patient and collection period affixed
- Additional self-adhesive label (84.1402.001) for the urine container available separately

Packaging (SP/IB/OC)	SP	Order no.
30 / 30 / 30		77.575.900



Urine collection container: 3 litres

Height x Ø	243 x 83.5 mm
Material	PE
Closure type	Screw cap
Label language	English

- Hygiene and convenience for patients and users
- Large opening diameter (80 mm) and ergonomic recessed grips for secure handling
- Transparent viewing strip with graduations in 100 ml increments to easily determine the volume collected
- Self-adhesive label with information on patient and collection period enclosed
- Additional self-adhesive label (84.1402.001) for the urine container available separately

Packaging (SP/IB/OC)	SP	Order no.
30 / 30 / 30		77.575.001



Urine collection container: 2 litres

Height x Ø	235 x 70 mm
Material	PE
Closure type	Screw cap
Label language	German/English

- Hygiene and convenience for patients and users
- Large opening diameter (70 mm) and graduations in 50 ml increments to easily determine the volume collected
- Self-adhesive label with information on patient and collection period enclosed
- Additional self-adhesive label (84.1402.001) for the urine container available separately

Packaging (SP/IB/OC)	SP	Order no.
30 / 30 / 30		77.580



UriSet 24, version A

Design	With transport tube 30 ml
Material	PE
Preparation	With stabiliser
Volume	3,000 ml
Height x Ø	243 x 83.5 mm

- Complete set for reliable and patient-friendly urine collection over 24 hours
- 3 litre urine container, with light protection, with large opening diameter (80 mm), ergonomic recessed grips, transparent inspection strip and graduations
- Easy-to-hold urine collection cup (75.1356) and self-adhesive label with information on patient and collection period enclosed
- 9 ml stabiliser (HCl, 20%)
- Design with light-protected 30 ml transport container (62.543.030)

Packaging (SP/IB/OC)	SP	Order no.
30 / 30 / 30		77.578



UriSet 24, version B

Design	With Urine Monovette®
Material	PE
Preparation	With stabiliser
Volume	3,000 ml
Height x Ø	243 x 83.5 mm

- Complete set for reliable and patient-friendly urine collection over 24 hours
- 3 litre urine container, with light protection, with large opening diameter (80 mm), ergonomic recessed grips, transparent inspection strip and graduations
- Easy-to-hold urine collection cup (75.1356) and self-adhesive label with information on patient and collection period enclosed
- 9 ml stabiliser (HCl, 20%)
- Urine Monovette® (10.252.030) with light protection

Packaging (SP/IB/OC)	SP	Order no.
30 / 30 / 30		77.578.252

UriSet 24, version C



Design	With Urine Monovette®
Material	PE
Preparation	Without preparation
Volume	3,000 ml
Height x Ø	243 x 83.5 mm

- Complete set for reliable and patient-friendly urine collection over 24 hours
- 3 litre urine container, with light protection, with large opening diameter (80 mm), ergonomic recessed grips, transparent inspection strip and graduations
- Easy-to-hold urine collection cup (75.1356) and self-adhesive label with information on patient and collection period enclosed
- Urine Monovette® (10.252.030) with light protection

Urine, stool, saliva,
cerebrospinal fluid,
tissue

Packaging (SP/IB/OC)	SP	Order no.
30 / 30 / 30		77.578.010

UriSet 24 accessories



Material	PP
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- Urine Monovette® (10.252.030) and transport container (62.543.030) with light protection
- Urine Monovette® (10.252.030) suitable as a primary container for transport as per ADR and IATA
- Transport container (62.543.030) suitable as a primary container for transport as per ADR
- Urine collection cup (75.1356) with a large opening diameter (80 mm) to help with the collection of complete portions while collecting urine
- Urine collection cup (75.1356) particularly adaptable thanks to flexible material (PP)

Description	Volume	Height x Ø	Length x Ø	Label/print	Light protection	Packaging (SP/IB/OC)	SP	Order no.
Urine Monovette®	10 ml	–	117 x 15 mm	Not writeable/■	Yes	64 / 64 / 512		10.252.030
Screw cap tube	30 ml	–	110 x 25 mm	Not writeable/■	Yes	125 / 125 / 500		62.543.030
Urine collection cup	500 ml	148 x 80 mm	–	–	–	250 / 250 / 250		75.1356



Urine cup with screw cap: 100 ml

Material

PP

- Transparent material or with light protection property (brown)
- Odour-tight screw cap
- With graduations and labelling area
- Suitable for transport and storage of urine samples

Colour	Height x Ø	Purity	Design	Closure	Cap colour	Label/print colour	Packaging (SP/IB/OC)	SP	Order no.
☒	72 x 57 mm	–	–	Without	–	–	50 / 50 / 500		75.563
☒	72 x 62 mm	Sterile	With safety label	Assembled	☐	☐/■	5 / 5 / 200		75.562.105
☒	72 x 62 mm	–	–	Assembled	☐	–	5 / 200 / 200		75.562.005
☒	72 x 62 mm	–	–	Enclosed	☐	–	50 / 50 / 250		75.562.300
■	72 x 62 mm	–	–	Enclosed	■	–	50 / 50 / 250		75.562.011



Urine cup with screw cap: 100 ml

Material

PP

- Hygiene and convenience for patients and users
- With graduations and labelling area
- Odour-tight screw cap
- Suitable for transport and storage of urine samples

Height x Ø	Closure	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
71 x 58 mm	Enclosed	■	500/500/500		75.1354.001

Screw cap for urine collection cup, 100 ml



Suitable for Material

100 ml container 75.563
HD-PE

- Matching screw cap for urine cup 75.563
- Odour-tight screw cap
- For secure transport and storage of urine samples

Colour	Height x Ø	Packaging (SP/IB/OC)	SP	Order no.
☒	62 x 14 mm	50 / 50 / 500		76.564



Urine cup with screw cap: 70 ml

Material PP

- Hygiene and convenience for patients and users
- Highly transparent material
- Odour-tight screw cap
- Suitable for transport and storage of urine samples
- With graduations and labelling area

Height x Ø	Purity	Label/print	Closure	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
55 x 44 mm	–	–	Assembled	■	250/250/500		75.9922.744
55 x 44 mm	–	With paper label	Assembled	■	250/250/500		75.9922.745
55 x 44 mm	Sterile	With paper label	Assembled	■	1 / 200 / 200		75.9922.721

Urine, stool, saliva, cerebrospinal fluid, tissue



Urine cup: 125 ml

Volume 125 ml
Height x Ø 67 x 66 mm
Material PP

- Highly transparent material
- With graduations and labelling area
- Stackable

Colour	Packaging (SP/IB/OC)	SP	Order no.
<input checked="" type="checkbox"/>	50 / 50 / 1,000		75.1355

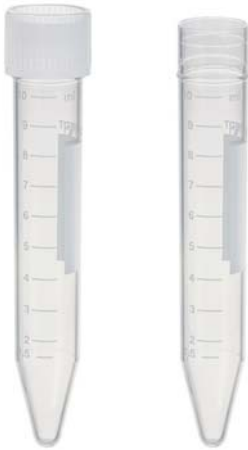
Snap-on lid with and without pourer for urine collection cup 125 ml



Suitable for 125 ml container 75.1355
Material PE

- Easy sample processing by detaching the spout
- Flexible material allows easy opening and closing
- Non-drip seal

Colour	Design	Packaging (SP/IB/OC)	SP	Order no.
■	With spout	1,000 / 1,000 / 1,000		76.1477
■	With spout	100 / 100 / 1,000		76.1477.100
■	Without spout	1,000 / 1,000 / 1,000		76.1414
■	Without spout	100 / 100 / 1,000		76.1414.100



Tubes with conical base: 10 ml

Material	PP
Base shape	Conical base
Length x Ø	100 x 16 mm
Graduations	Yes

- Ribbed cap for maximum grip or push cap
- Suitable for urine sediment collection (recommended centrifugation: 400 x g/5 min/20 °C)
- Polypropylene (PP) tubes for thermal, mechanical and chemical applications
- Conical base allows optimum sample yield
- Push cap (65.793, 65.816, 65.720) for tubes 62.9924.272 available separately

Purity	Closure type	Closure	Cap colour	Complies with requirement	Packaging (SP/IB/OC)	SP	Order no.
Sterile	Screw cap	Assembled	■	IATA	100 / 100 / 1,000		62.9924.284
–	Screw cap	Enclosed	☒	IATA	100 / 500 / 1,000		62.9924.283
–	Push cap	–	–	–	100 / 100 / 1,000		62.9924.272



Urine tube with stabiliser: 25 ml

Volume	25 ml
Length x Ø	90 x 25 mm
Material	PP
Label/print	With paper label (white/black)
Closure	Assembled
Base shape	Skirted conical base
Preparation	Boric acid

- Developed for microbiological tests
- Effective stabilisation for up to 48 hours
- Primary container for transport as per ADR and IATA
- Practical handling thanks to skirted conical base

Label/print	Purity	Colour	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
Writeable/□/■	Non-sterile	☒	■	500/500/500		51.9923.820



Tube with screw cap: 30 ml

Volume	30 ml
Length x Ø	107 x 25 mm
Material	PP
Graduations	Yes
Closure	Assembled
Material of the closure	HD-PE
Base shape	Skirted conical base

- Tube with skirted base ensures that it stands securely
- Especially secure cap
- Conical base allows optimum sample yield

Label/print	Purity	Colour	Cap colour	Complies with requirement	Packaging (SP/IB/OC)	SP	Order no.
Not writeable/■	Sterile	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ADR	50 / 50 / 400		62.543.001
Not writeable/■	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ADR	125 / 125 / 500		62.543

Urine, stool, saliva,
cerebrospinal fluid,
tissue



Tube with screw cap: 25 ml

Volume	25 ml
Length x Ø	90 x 25 mm
Material	PP
Closure	Assembled
Material of the closure	HD-PE
Base shape	Skirted conical base

- Tube with skirted base ensures that it stands securely
- Polypropylene (PP) tubes for thermal, mechanical and chemical applications
- Especially secure cap
- Sterile tubes with assembled cap

Label/print	Graduations	Purity	Colour	Cap colour	Complies with requirement	Packaging (SP/IB/OC)	SP	Order no.
Writeable/□/■	Yes	Sterile	<input checked="" type="checkbox"/>	■	IATA	500 / 500 / 500		63.9922.254
–	No	Sterile	<input checked="" type="checkbox"/>	■	IATA	500 / 500 / 500		60.9922.243
Writeable/□/■	Yes	–	<input checked="" type="checkbox"/>	□	IATA	500 / 500 / 500		63.9922.252
–	No	–	<input checked="" type="checkbox"/>	□	IATA	500 / 500 / 500		60.9922.241



Tube with screw cap: 15 ml

Volume	15 ml
Length x Ø	76 x 20 mm
Material	PP
Graduations	No
Material of the closure	HD-PE
Base shape	Skirted conical base

- Tube with skirted base ensures that it stands securely
- Polypropylene (PP) tubes for thermal, mechanical and chemical applications
- Especially secure cap

Purity	Closure	Colour	Cap colour	Complies with requirement	Packaging (SP/IB/OC)	SP	Order no.
Sterile	Assembled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ADR	100 / 100 / 500		60.732.001
–	Enclosed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ADR	100 / 100 / 500		60.732



Faeces tube 107 x Ø 25 mm

Material of the tube	PP
-----------------------------	----

- Particularly liquid and odour-tight
- Larger opening to better collect the sample
- Secure screw cap for sending samples
- Stands firmly due to skirted base

Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
Sterile	<input checked="" type="checkbox"/>	50 / 50 / 400		80.622
–	<input checked="" type="checkbox"/>	250 / 250 / 500		80.622.111



Faeces tube 76 x Ø 20 mm

Material of the tube	PP
-----------------------------	----

- Particularly liquid and odour-tight
- Larger opening to better collect the sample
- Secure screw cap for sending samples
- Stands firmly due to skirted base
- Optional with paper label and light protection through white colouring

Purity	Colour	Label	Packaging (SP/IB/OC)	SP	Order no.
Sterile	<input checked="" type="checkbox"/>	With paper label	100 / 100 / 500		80.734.311
Sterile	<input checked="" type="checkbox"/>	–	100 / 100 / 500		80.734.001
–	<input checked="" type="checkbox"/>	With paper label	100 / 100 / 500		80.734.301
–	<input type="checkbox"/>	With paper label	100 / 100 / 500		80.734.401
–	<input checked="" type="checkbox"/>	–	100 / 100 / 500		80.734



Faeces tube 101 x Ø 16.5 mm

Material of the tube PP

- Particularly liquid and odour-tight
- Secure screw cap for sending samples
- Tested according to ADR and IATA
- Round base for easy placement in sample racks

Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
Sterile	<input checked="" type="checkbox"/>	500/500/500		80.623
–	<input checked="" type="checkbox"/>	500/500/500		80.623.111



Faeces tube 75 x Ø 23.5 mm

Material of the tube PS

- Particularly liquid and odour-tight
- Larger opening to better collect the sample
- Stands firmly due to skirted base

Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
Sterile	<input checked="" type="checkbox"/>	50 / 50 / 250		80.621
–	<input checked="" type="checkbox"/>	50 / 50 / 500		80.620



Faeces tubes 101 x Ø 16.5 mm, with special faeces spoon

Material of the tube PP
Label With paper label
Design With enclosed stirring rod

- Particularly liquid and odour-tight
- Secure screw cap for sending samples
- The particular design of the spoon in the tube enables centrifugation and collection of a supernatant without disturbing it when opening the tube

Colour	Packaging (SP/IB/OC)	SP	Order no.
<input checked="" type="checkbox"/>	250 / 250 / 1,000		80.623.022

Urine, stool, saliva,
cerebrospinal fluid,
tissue



Faeces tube 55 x Ø 44 mm

Material of the tube PP
Label With paper label

- Particularly liquid and odour-tight
- Larger opening to better collect the sample
- Secure screw cap for sending samples
- Stands firmly due to skirted base

Colour	Packaging (SP/IB/OC)	SP	Order no.
□	250 / 250 / 500		80.9924.027



Faeces tube 54 x Ø 28 mm

Material of the tube PP
Label With paper label

- Particularly liquid and odour-tight
- Larger opening to better collect the sample
- Secure screw cap for sending samples
- Stands firmly due to skirted base

Colour	Packaging (SP/IB/OC)	SP	Order no.
□	50 / 50 / 500		80.9924.014



VD screw top cup: 100 ml

Material PP

- For collecting saliva using a gargle solution, used in combination with the Monovette® VD
- Stackable, highly transparent
- For use in: Virus diagnostics
- With graduations and labelling area

Length x Ø	Packaging (SP/IB/OC)	SP	Order no.
72 x 57 mm	5 / 200 / 200		75.562.605



Monovette® VD: 8.5 ml

Preparation

Without preparation

- For collecting saliva using a gargle solution, used in combination with the VD screw top cup
- The included suction tip allows the gargle solution to be hygienically collected from a collection receptacle
- For use in: Virus diagnostics
- With graduations to check the filling level

Nominal volume	Ø	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
8.5 ml	15 mm	92/106 mm	Not writeable/■/■	■	1 / 100 / 500		10.223.025



VD cup with transfer unit: 100 ml

Material

PP

- For collecting saliva using a gargle solution, used in combination with the V-Monovette® VD
- Recessed integrated transfer unit to prevent injury
- Safety label with warning
- With graduations and labelling area
- For use in: Virus diagnostics

Length x Ø	Packaging (SP/IB/OC)	SP	Order no.
72 x 62 mm	5 / 200 / 200		75.562.600



V-Monovette® VD: 4 and 10 ml

Material

PET

Preparation

Without preparation

- For collecting saliva using a gargle solution, used in combination with the VD cup with transfer unit
- The vacuum technique provides a closed system for collection
- For use in: Virus diagnostics

Nominal volume	Ø	Length without/with cap	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
4 ml	13 mm	75/81 mm	Writeable/□/■	■	100 / 100 / 500		13.2406.601
10 ml	15 mm	100/106 mm	Writeable/□/■	■	100 / 100 / 500		13.2407.601



Salivette®

- For the hygienic and patient-friendly collection of saliva with an absorbent roll
- Easy sample processing guaranteed thanks to standard tubes
- For use in: Diagnosis and therapy monitoring; 51.1534 *in vitro* diagnostic tests; 51.1534.500 for cortisol determination; 51.1534.100 for virus diagnostics

Description	Ø	Length without/with cap	Cap colour	Design	Packaging (SP/IB/OC)	SP	Order no.
Salivette®	16.8 mm	84/97 mm	□	With cotton swab	100 / 100 / 500		51.1534
Salivette® Cortisol	16.8 mm	84/97 mm	■	With synthetic swab	100 / 100 / 500		51.1534.500
Salivette® VD	16.8 mm	84/97 mm	■	With cotton swab	100 / 100 / 500		51.1534.100



CSF tube with false bottom: 2.5 ml

Material PP
Design Low Binding

- Newly developed, specifically for the early detection of Alzheimer's disease
- Excellent recovery thanks to low binding properties
- Primary container suitable for routine sample collection & automated analytics
- With graduations to check the filling level
- Reliable pre-analytics for optimal sample integrity

Nominal volume	Length x Ø	Purity	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
2.5 ml	75 x 13 mm	Sterile	■	1 / 10 / 100		63.614.625



CSF Monovette®: 10 ml

Material PP

- Container material suitable for CSF samples
- User-friendly handling
- Versatile male Luer connection
- Liquid-tight primary container for transport in accordance with packing regulation P 650

Nominal volume	Length x Ø	Purity	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
10 ml	102 x 15 mm	Sterile	■	1 / 100 / 500		10.252.027

Small CSF tubes, set of 4: 12 ml



Material SAN
Material of the closure HD-PE
Base shape Round base

- Container material suitable for CSF samples
- Highly transparent plastic
- Tight-closing screw cap for transport und storage
- Graduated and with 4 printed boxes to be ticked to indicate the order of collection

Volume	Length x Ø	Purity	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
12 ml	99 x 16 mm	Sterile	■	4 / 250 / 250	☐	60.9924.952



CSF tube: 5 and 10 ml

Material PP
Material of the closure HD-PE
Base shape Round base

- Proven material properties specifically for CSF samples
- Tight-closing screw cap for transport und storage
- Common tube dimensions suitable for automated processing
- With graduations to check the filling level





Volume	Length x Ø	Purity	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
10 ml	92 x 15.3 mm	Sterile	Not writeable/■	☒	1 / 100 / 500	☐	62.610.018
5 ml	75 x 13 mm	Sterile	Not writeable/☒/■	☒	1 / 100 / 500	☐	63.504.027



Formalin system: 450 ml

- The closed system ensures a high level of work safety
- Flexible dosing of formalin
- Suitable for tissue analyses

Urine, stool, saliva,
cerebrospinal fluid,
tissue



Description	Preparation	Set components	Suitable for	Packaging (SP/IB/OC)	SP	Order no.
Formalin system	Buffered formalin solution 450 ml	–	–	1 / 1 / 6		51.1703
Formalin Set	Buffered formalin solution 450 ml	Formalin system with 450 ml formaldehyde solution (4%) and 100 S-Monovettes 9 ml	–	1 / 1 / 1		51.1703.009
Formalin Set	Buffered formalin solution 450 ml	Formalin system with 450 ml formaldehyde solution (4%) and 50 S-Monovettes 25 ml	–	1 / 1 / 1		51.1703.025
Wall holder	–	–	Formalin system	1 / 1 / 1		95.1706



Formalin system vessels: 9 and 25 ml

Description	S-Monovette®
Preparation	Without preparation
Label/print	With paper label (black)
Suitable for	Formalin system

- S-Monovette® for reliable tissue fixation

Length x Ø	Label/print	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
92 x 16 mm	Writeable/□/■	□	50 / 50 / 500		09.1704.001
97 x 25 mm	Writeable/□/■	□	50 / 50 / 250		09.1705.001



Have a safe day!

The extensive product range of Multi-Safe disposal boxes allows us to respond to any disposal request in the medical and laboratory sector. With different versions, from a handy 200 ml format to an autoclavable 60 l disposal box for clinical waste, we offer the optimal solution for any requirement. We also ensure compliance with the applicable standards for the safe disposal of pointed and sharp objects. All Multi-Safe disposal boxes are made of polypropylene (PP) so that thermal disposal is environmentally friendly: no harmful substances are produced by combustion.

Our transport boxes and transport cases are type-tested sample transport systems for transporting diagnostic specimens.

The transport boxes comply with the shipping regulation P650 IATA/ADR and can therefore be used to transport diagnostic specimens of substance class UN3373. The boxes are also a valid system according to the regulations of Deutsche Post AG.

With the individual components, the transport cases are a perfect system for courier delivery (ADR) in accordance with the P650 Packaging Instruction and thus secure transport of substances from substance class UN3373. The cases are approved by BAM (Federal Institute for Materials Research and Testing) and offer an excellent solution for sending a large number of samples.



Disposal · Sample shipping

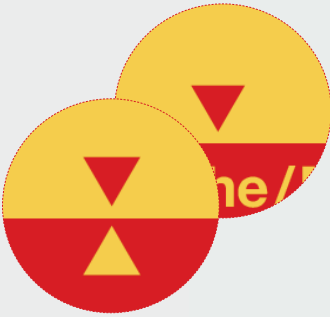
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Multi-Safe disposal boxes

With innovative day closure and final closure and printed label "Press for final closure".



Filling level clearly marked with new label design.



Also available with biohazard labelling.

Directly integrated label in 9 languages – label can also be customised to the customer's requirements.

Integrated QR code for direct online access to the instructions for use.



The user-friendly solution for reliable disposal

- Easy assembly of the lid with snap hook
- Day closure and final closure enable easy one-handed operation
- Various aids for the easy removal of scalpels, needles and Luer systems
- Complies with the requirements of DIN ISO 23907, UN 3291 and TRBA 100
- Available in six volumes: 0.5 l, 1.5 l, 2.0 l, 2.5 l, 3.0 l and 5.0 l



Disposal and
sample shipping

Disposal of pointed and sharp objects

Around the world, health care workers are at constant risk of infection from needlestick injuries (NSI).

This happens particularly with the disposal of pointed and sharp objects. The most common viruses are hepatitis B (HBV), hepatitis C (HCV) and HIV.

An estimated 500,000 needlestick injuries occur in Germany alone, resulting in around 50 million euros in consequential costs.

Medical practitioners (approx. 39%) are most likely to suffer a needlestick injury, followed by nursing staff (approx. 34%).*

These figures clearly show just how important it is to use high-quality disposal boxes!

Certified in line with DIN ISO 23907, UN 3291 and TRBA 100, the new twin plus disposal boxes comply with current requirements, making them an ideal solution for avoiding needlestick injuries.

* Deutsches Ärzteblatt 2007, Vol. 104, p. A3102-3107





Transport solutions for sending diagnostic specimens

The transport of diagnostics specimens of substance class UN3373 is subject to legal regulations and guidelines.

SARSTEDT offers type-tested sample transport systems and secondary tubes for a wide variety of transport requirements:

- Transport case for the courier service
- Transport case for in-house sample transport
- Shipping box for postal use



Transport case for the courier service of diagnostic samples

The transport case for the courier service is suitable for the safe shipping of diagnostic specimens of substance class UN3373. The system fully complies with ADR packaging instruction P650 and was approved by BAM (Federal Institute for Materials Research and Testing). It is available in variable versions with wide-neck barrel or polybag with closure clip.



Transport case for in-house transport

For the simple and safe transport of samples within the hospital or laboratory in accordance with TRBA 100, Section 6.1.4. Depending on the design, the transport cases have the capacity for 50 or 100 S-Monovettes, tubes or swabs. The large case features a removable insert for easy handling and disinfection.



Shipping box for postal use

The shipping box is a valid system in accordance with the regulations of Deutsche Post AG and packaging instruction P650 ADR / IATA. It can be used flexibly for all SARSTEDT shipping containers and bottles. They are also available with customised prints on request.



Disposal and
sample shipping



Multi-Safe sani: 200 ml

Complies with requirement

TRBA 250, UN 3291, DIN EN ISO 23907

- Safe disposal box for on the go
- Suitable for outpatient use by doctors, nurses and rescue services
- One-handed opening and closing of the day and final closure
- Lid already assembled
- Compact

Volume	Material	Packaging (SP/IB/OC)	SP	Order no.
200 ml	PP	110 / 110 / 110		77.3890.002



Multi-Safe mini: 300 ml

Complies with requirement

TRBA 250, UN 3291, DIN EN ISO 23907

- Safe disposal box for on the go
- Suitable for outpatient use by doctors, nurses and rescue services
- One-handed opening and closing of the day and final closure
- Lid already assembled
- Compact

Volume	Material	Packaging (SP/IB/OC)	SP	Order no.
300 ml	PP	135 / 135 / 135		77.3890.003



Multi-Safe vario: 2,000 ml

Label

With plastic label

Complies with requirement

TRBA 250, UN 3291, DIN EN ISO 23907

- Square box with large disposal opening
- Label complies with ISO 23907 with an integrated QR code for direct online access to the instructions for use
- Various removal/twist-off aids for needles, scalpels, Luer systems and insulin pens
- Various table and wall holders available
- Compatible with commercially available blood collection trays

Volume	Material	Labelling	Packaging (SP/IB/OC)	SP	Order no.
2,000 ml	PP	–	50 / 50 / 50		77.3893.020
2,000 ml	PP	Biohazard labelling	50 / 50 / 50		77.3893.120



Multi-Safe euroMatic®: 3,000 - 7,000 ml

Label
Complies with requirement

With plastic label
TRBA 250, UN 3291, DIN EN ISO 23907

- The day lid automatically pops up when the red button is pressed
- Various removal/twist-off aids for needles, scalpels, Luer systems and insulin pens
- Various table and wall holders available
- Safe final closure becomes visible by pulling out the yellow ring
- Also available as a version with biohazard labelling

Volume	Material	Labelling	Packaging (SP/IB/OC)	SP	Order no.
3,000 ml	PP	–	55 / 55 / 55		77.3897.030
3,000 ml	PP	Biohazard labelling	55 / 55 / 55		77.3897.230
4,000 ml	PP	–	50 / 50 / 50		77.3897.040
4,000 ml	PP	Biohazard labelling	50 / 50 / 50		77.3897.240
6,000 ml	PP	–	40 / 40 / 40		77.3897.060
6,000 ml	PP	Biohazard labelling	40 / 40 / 40		77.3897.260
7,000 ml	PP	–	34 / 34 / 34		77.3897.070
7,000 ml	PP	Biohazard labelling	34 / 34 / 34		77.3897.270



Multi-Safe twin plus: 500 - 5,000 ml

Label
Complies with requirement

With plastic label
TRBA 250, UN 3291, DIN EN ISO 23907

- Label complies with ISO 23907 with an integrated QR code for direct online access to the instructions for use
- Various removal/twist-off aids for needles, scalpels, Luer systems and insulin pens
- Various table and wall holders available
- Also available as version with biohazard labelling

Volume	Material	Labelling	Packaging (SP/IB/OC)	SP	Order no.
500 ml	PP	–	1 / 1 / 126		77.3884.005
500 ml	PP	Biohazard labelling	1 / 1 / 126		77.3884.105
1,500 ml	PP	–	1 / 1 / 94		77.3884.015
1,500 ml	PP	Biohazard labelling	1 / 1 / 94		77.3884.115
2,000 ml	PP	–	1 / 1 / 80		77.3884.020
2,000 ml	PP	Biohazard labelling	1 / 1 / 80		77.3884.120
2,500 ml	PP	–	1 / 1 / 70		77.3884.025
2,500 ml	PP	Biohazard labelling	1 / 1 / 70		77.3884.125
3,000 ml	PP	–	1 / 1 / 62		77.3884.030
3,000 ml	PP	Biohazard labelling	1 / 1 / 62		77.3884.130
5,000 ml	PP	–	1 / 1 / 34		77.3884.050
5,000 ml	PP	Biohazard labelling	1 / 1 / 34		77.3884.150



Multi-Safe medi: 6 and 11 l

- Round container shape
- No additional holders needed thanks to the large circular footprint
- Various designs with or without bracket, additional label
- Side grooves at the top edge visually confirm the closure of the container

Volume	Design	Material	Label	Complies with requirement	Packaging (SP/IB/OC)	SP	Order no.
6 l	With assembled bracket	PP	With plastic label	TRBA 250, UN 3291, DIN EN ISO 23907	21 / 21 / 21		77.3898.206
6 l	With assembled bracket	PP	–	TRBA 250, UN 3291, DIN EN ISO 23907	480 / 480 / 480		77.3898.106
6 l	–	PP	–	TRBA 250, UN 3291, DIN EN ISO 23907	21 / 21 / 21		77.3898.506
6 l	–	PP	–	TRBA 250, UN 3291, DIN EN ISO 23907	480 / 480 / 480		77.3898.006
11 l	With assembled bracket	PP	–	TRBA 250, DIN EN ISO 23907	250 / 250 / 250		77.3898.111
11 l	–	PP	–	TRBA 250, DIN EN ISO 23907	10 / 10 / 10		77.3898.511
11 l	–	PP	–	TRBA 250, DIN EN ISO 23907	250 / 250 / 250		77.3898.011



Multi-Safe: 25 and 50 l

Complies with requirement

UN 3291

- Rectangular container shape
- Side grooves at the edge visually confirm the closure of the container
- Lid-in-lid system provides variable disposal opening
- Liquid-tight final closure thanks to the adhesive strip fastened on the side of the lid
- Can be stacked empty and full

Volume	Material	Packaging (SP/IB/OC)	SP	Order no.
25 l	PP	160 / 160 / 160		77.3899.125
50 l	PP	125 / 125 / 125		77.3899.150



Multi-Safe eco: 25 and 50 l

Complies with requirement

UN 3291

- Rectangular container shape
- Side grooves at the edge visually confirm the closure of the container
- No additional holders needed thanks to the large square footprint
- Liquid-tight final closure thanks to the adhesive strip fastened on the side of the lid
- Collection and transport container for small disposal boxes

Volume	Material	Packaging (SP/IB/OC)	SP	Order no.
25 l	PP	160 / 160 / 160		77.3899.025
50 l	PP	125 / 125 / 125		77.3899.050





Multi-Safe steri: 35 and 60 l

Complies with requirement

UN 3291

- Rectangular container shape
- Lid-in-lid system provides variable disposal opening
- Safe and stable for the disposal of infectious waste
- Can be autoclaved at 121 °C to 134 °C. Small lid melts at around 90 °C and enables the autoclave process through a grid.
- Side grooves on the lid visually confirm the closure







Volume	Material	Packaging (SP/IB/OC)	SP	Order no.
35 l	PP	1 / 150 / 150		77.3899.035
60 l	PP	1 / 120 / 120		77.3899.060

Disposal and sample shipping



Multi-Safe holders

- For easy and safe assembly of the Multi-Safe disposal boxes
- Suitable for attachment on the wall, table or smooth surfaces
- Various designs available

Description	Suitable for	Packaging (SP/IB/OC)	SP	Order no.
Adhesive adapter	Multi-Safe twin plus, euroMatic®	1 / 10 / 150		95.965.001
Wall holder	Multi-Safe twin plus, euroMatic®	1 / 1 / 30		95.963
Wall holder	Multi-Safe twin plus	1 / 1 / 20		95.963.007
Wall holder	Multi-Safe vario 2000	1 / 1 / 5		95.963.020
Wall holder	Multi-Safe euroMatic®	1 / 1 / 20		95.963.001
Fastening plate	Dräger rail system and combinable with wall holder euroMatic® (95.963.001), wall holder vario 2000 (95.963.020) and wall holder twin plus (95.963.007)	1 / 1 / 20		95.963.005
Round tube holder	Round tubes and combinable with wall holder euroMatic® (95.963.001), wall holder twin plus (95.963.007) and wall holder vario 2000 (95.963.020)	1 / 1 / 10		95.963.006

Safety tray without insertion plate



- Tailored to the requirements of blood collection
- Streamlined work processes through selective stocking
- Flexible variation thanks to various insertion plates
- Made of robust polypropylene
- The smooth surface enables simple wipe disinfection

Dimensions (L x W x H)	Packaging (SP/IB/OC)	SP	Order no.
429 x 283 x 80 mm	1 / 1 / 1		93.1650

Insertion plates for safety tray



- Suitable for safety tray
- Flexible variation options
- The right solution for every requirement
- Available in 5 different designs
- Made of robust polypropylene

Product name	Suitable for	Packaging (SP/IB/OC)	SP	Order no.
Version 1	Safety Tray (93.1650) & e.g. 1x Multi-Safe twin plus 500 (77.3884.005/.105), 1x rack with handle (93.851 - 93.851.1xx), 2x dispenser boxes (95.813.001), 3x multi-purpose cup (75.1355), 1x disinfection spray	1 / 1 / 1		93.1650.010
Version 2	Safety Tray (93.1650) & e.g. 1x Multi-Safe vario 2000 (77.3893.020/.120), 1x rack (93.851 - 93.851.1xx), 2x dispenser boxes (95.813.001), 6x multi-purpose cup (75.1355), 1x disinfection spray	1 / 1 / 1		93.1650.020
Version 3	Safety Tray (93.1650) & e.g. 1x Multi-Safe twin plus 500 (77.3884.005/.105), 2x dispenser boxes (95.813.001), 8x multi-purpose cup (75.1355), 1x disinfection spray	1 / 1 / 1		93.1650.030
Version 4	Safety Tray (93.1650) & e.g. 1x Multi-Safe vario 2000 (77.3893.020/.120), 1x rack (93.851 - 93.851.1xx), 2x dispenser boxes (95.813.001), 1x multi-purpose cup (75.1355), 1x disinfection spray	1 / 1 / 1		93.1650.040
Version 5	Safety Tray (93.1650) & e.g. 1x Multi-Safe twin plus 2000 (77.3884.020/.120), 1x rack with handle (93.851 - 93.851.1xx), 1x dispenser box (95.813.001), 3x multi-purpose cup (75.1355), 1x disinfection spray	1 / 1 / 1		93.1650.050

Transport case for safe transportation of diagnostic samples (UN3373)



- Safe shipping of diagnostic specimens of substance class UN3373
- Variable versions with wide aperture or plastic bag with closure clip
- Super absorber with little space required and a high fluid absorption
- Outer packaging with highly insulating foam material for optimal insulation

Description	Dimensions (L x W x H)	Material	Packaging (SP/IB/OC)	SP	Order no.
T 15	395 x 395 x 435 mm	HD-PE	1 / 1 / 1		95.1715
B 17	395 x 395 x 435 mm	HD-PE	1 / 1 / 1		95.1717
B 19	395 x 395 x 435 mm	HD-PE	1 / 1 / 1		95.1717.003
B 13	395 x 395 x 300 mm	HD-PE	1 / 1 / 1		95.1717.011



Accessories for transport case

- Superabsorber pack: High fluid absorption of approx. 1.2 l
- Cross-bottom bag: Plastic bag with closure clip as secondary packaging
- Closure clip: For optimum closure of the cross-bottom bag
- Ice pack bag: Insulated bag for standard ice packs

Description	Absorption capacity	Dimensions (L x W)	Suitable for	Packaging (SP/IB/OC)	SP	Order no.
Cross-bottom bag	–	270 x 270 mm	Transport case B 17	25 / 25 / 25		95.1713
Closure clip	–	220 x 12 mm	Cross-bottom bag 95.1713	25 / 25 / 25		95.1714
Ice pack bag	–	205 x 115 mm	Standard ice packs	12 / 12 / 12		95.1725
Superabsorber pack	1.2 l	400 x 300 mm	Transport case T 15 and B 17	100 / 100 / 100		95.1712

Disposal and sample shipping



Inhouse transport case, light grey lid

Description I 100

- For simple transport within the hospital or laboratory in accordance with TRBA 100 (Section 6.1.4)
- Hard-shell case made of unbreakable ABS
- Loading capacity for e.g. 100 S-Monovettes, tubes, swabs
- Removable insert for easy handling and disinfection

Dimensions (L x W x H)	Material	Packaging (SP/IB/OC)	SP	Order no.
360 x 310 x 275 mm	HD-PE	1 / 1 / 1		95.1720



Inhouse transport case, transparent lid

Description I 50

- For simple transport within the hospital or laboratory in accordance with TRBA 100 (Section 6.1.4)
- Hard-shell case made of unbreakable material (lower part: ABS, lid: PET)
- Loading capacity for e.g. 50 S-Monovettes, tubes, swabs
- Easy handling and disinfection

Dimensions (L x W x H)	Material	Packaging (SP/IB/OC)	SP	Order no.
270 x 170 x 215 mm	ABS	1 / 1 / 1		95.1720.011

Inhouse mailing envelope



Dimensions (L x W)

440 x 320 mm

- Practical arrangement of samples and documents
- Max. for DIN A4 request documents
- Particularly suitable for transport by tube mail
- 2 compartments for sample tubes
- Reversible self-adhesive flap

Packaging (SP/IB/OC)	SP	Order no.
300 / 300 / 300		86.974

Mailing box for safe transportation of diagnostic samples (UN3373)



Complies with requirement

P650, ADR, IATA

- Transport box for the reliable transport of samples in accordance with the regulations of Deutsche Post AG and packaging instruction P650/IATA/ADR.
- 4 different sizes can be used variably for all SARSTEDT mailing containers or cold transport containers
- Various options with an integrated locking mechanism or enclosed foam foil pouch for optimal fixation or padding of secondary containers
- Customised information e.g. the mailing address can be printed on request

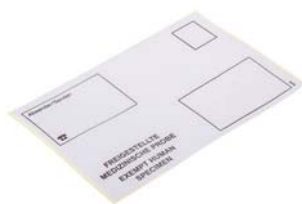
Dimensions (L x W x H)	Suitable for	Design	Packaging (SP/IB/OC)	SP	Order no.
198 x 107 x 38 mm	Diagnostic specimens	Locking mechanism	50 / 50 / 50		95.900
107 x 198 x 50 mm	Diagnostic specimens	Locking mechanism	50 / 50 / 50		95.901
220 x 170 x 40 mm	Diagnostic specimens	Enclosed foam foil pouch	50 / 50 / 50		95.902
192 x 146 x 75 mm	Cold transport container	–	50 / 50 / 50		95.903

Mailing envelope for postal use



- Suitable for sending "EXEMPT HUMAN SPECIMEN" by post
- Made of a blue opaque tear-resistant PE film
- Unprinted design
- Available in two sizes
- Address label with printed text "EXEMPT HUMAN SPECIMEN" available as an accessory

Dimensions (L x W)	Packaging (SP/IB/OC)	SP	Order no.
310 x 180 mm	50 / 50 / 1,000		95.1410
310 x 123 mm	50 / 50 / 1,000		95.1411



Label for mailing box and envelope

- Self-adhesive label with printed text "EXEMPT HUMAN SPECIMEN"
- Removable
- Available with customised printed text on request

Dimensions (L x W)	Label/print colour	Packaging (SP/IB/OC)	SP	Order no.
145 x 98.5 mm	■	1,000 / 1,000 / 1,000		84.1412.033

Disposal and sample shipping



Mailing container – round

Complies with requirement
Closure

P650, ADR
Without

- Mailing container made of PP as a secure container case for blood, urine and stool sample tubes
- Their tight seal with a pressure difference of 95 kPa makes them ideal as secondary packaging as per packing instruction P650/ADR
- Autoclavable at 121 °C
- Available with and without an absorbent liner
- Available with customised printed text on request

Length	Diameter of the opening	Colour	Absorbent liner	Packaging (SP/IB/OC)	SP	Order no.
85 mm	30 mm	☒	No	50 / 50 / 500		78.890
85 mm	30 mm	☒	Yes	50 / 50 / 500		78.892
114 mm	44 mm	☒	No	50 / 50 / 250		78.895
114 mm	44 mm	☒	Yes	50 / 50 / 250		78.897
126 mm	30 mm	☒	No	50 / 50 / 250		78.896
126 mm	30 mm	☒	Yes	50 / 50 / 250		78.898
126 mm	30 mm	■	Yes	50 / 50 / 250		78.898.300

Screw caps for transport containers – round



Material

PP

- Screw cap suitable for round mailing containers
- Available in different colours
- Autoclavable at 121 °C

Suitable for	Colour	Packaging (SP/IB/OC)	SP	Order no.
Mailing container 85 x 30 mm	☒	50 / 50 / 500		65.676
Mailing container 85 x 30 mm	■	50 / 50 / 500		65.676.001
Mailing container 114 x 44 mm	☒	50 / 50 / 250		65.678
Mailing container 126 x 30 mm	☒	50 / 50 / 250		65.679
Mailing container 126 x 30 mm	■	50 / 50 / 250		65.679.001
Mailing container 126 x 30 mm	■	50 / 50 / 250		65.679.002
Mailing container 126 x 30 mm	■	50 / 50 / 250		65.679.004

Special screw cap for transport containers – round



Suitable for Material

Mailing container 126 x 30 mm
PP

- Extended design
- Suitable for transporting Port-A-Cul tubes
- Autoclavable at 121 °C

Colour	Packaging (SP/IB/OC)	SP	Order no.
☒	50 / 50 / 250		65.731

Mailing container – square



Complies with requirement

P650, ADR

Closure

Enclosed

- Mailing container with screw cap made of HD-PE as a safe container wrapper for blood, urine, swab and stool sample tubes
- Easy and quick opening and closing with a leak-proof screw cap
- The square cross-sectional shape ensures optimal storage
- Available with and without an absorbent liner

Length	Diameter of the opening	Absorbent liner	Packaging (SP/IB/OC)	SP	Order no.
117 mm	28 mm	No	50 / 50 / 250		78.572
117 mm	28 mm	Yes	50 / 50 / 250		78.573
179 mm	28 mm	No	50 / 50 / 250		78.574
179 mm	28 mm	Yes	50 / 50 / 250		78.574.500

Disposal and sample shipping

Absorbent liners for transport containers



Material

Cellulose




- Separate absorbent liners suitable for various mailing containers
- Various designs for different absorption capacities

Dimensions (L x W)	Absorption capacity	Suitable for	Packaging (SP/IB/OC)	SP	Order no.
80 x 55 mm	10 ml	Cold transport container	100 / 100 / 2,500		78.671
75 x 65 mm	8 ml	Mailing container 84 x 30 mm	100 / 100 / 2,000		78.684
75 x 90 mm	12 ml	Mailing container 126 x 30 mm	1,000 / 1,000 / 4,000		78.670
135 x 95 mm	16 ml	Mailing container 114 x 44 mm	100 / 100 / 1,000		78.669

Cold transport container with packaging



- Mailing packaging for the secure cold transport of medical and biological examination material
- Suitable for two 10 ml sample tubes, e.g. 9 ml S-Monovette® or one tube with max. 16.5 mm diameter and a max. total length of 107 mm
- Mailing container is filled with cooling liquid and is frozen lying down to at least -12 °C before transport.
- Customised information can be printed on request
- Not suitable for samples that must not be frozen as an unfrozen sample would freeze in the deep-freeze container

Description	Dimensions (L x W x H)	Print language	Absorbent liner	Complies with requirement	Packaging (SP/IB/OC)	SP	Order no.
Cold transport container	140 x 71 x 170 mm	English	No	P650, ADR	1 / 1 / 6		95.1123
Absorbent liner	–	–	–	–	100 / 100 / 2,500		78.671
Polystyrene container	140 x 71 x 168 mm	–	No	–	1 / 1 / 36		95.1011

Mailing box for cold transport container



Suitable for
Complies with requirement

Cold transport container
P650, ADR, IATA

- Transport box for the reliable transport of samples in accordance with the regulations of Deutsche Post AG and packaging instruction P650/IATA/ADR.
- Suitable for cold transport containers

Dimensions (L x W x H)	Packaging (SP/IB/OC)	SP	Order no.
192 x 146 x 75 mm	50 / 50 / 50		95.903

Cold and warm transport containers



Suitable for

Blood gas capillaries, S-Monovette® up to 105 x Ø 18 mm

- Suitable for blood gas capillaries and S-Monovettes up to 105 mm in length and 18 mm in diameter
- Ideal for in-house transport (e.g. tube mail)
- Additional holder in the screw cap stabilises the sample from a size of approx. 95 mm
- Enclosed styrofoam cover prevents premature warming/cooling

Dimensions (L x W x H)	Packaging (SP/IB/OC)	SP	Order no.
50 x 50 x 140 mm	1 / 1 / 66		95.997

Disposal and sample shipping



Transport containers for slides



Material

PP

- Mailing container suitable for transport or storage of two slide plates (or four placed against each other)
- The lid includes a covered ventilation opening
- Alternatively, the mailing container can be delivered without ventilation

Length	Design	Packaging (SP/IB/OC)	SP	Order no.
85 mm	With ventilation	50 / 50 / 400		86.972
85 mm	Without ventilation	50 / 50 / 400		86.972.150



Efficient and safe sample handling

Requirements for pre-analytics, clinical laboratories, life science laboratories and in the field of pre-analytical workflows are becoming increasingly complex. Time pressure, cost pressure, quality pressure and pressure due to a lack of human resources constantly require new solutions.

SARSTEDT's mission is to offer optimised product and system solutions for the entire process chain, from sample collection, transport, receipt and distribution in the laboratory to storage and archiving after analysis.

The Tempus600® Quantit is part of the Tempus600® sample transport system, which is used particularly in hospitals for transporting sample tubes from the ward to the laboratory without packaging, waiting times and detours (point-to-point). This considerably reduces the total turnaround time of samples from collection to the laboratory result for the benefit of the patient.

BL 1200, the bulk sorter for the incoming samples area for recording and pre-sorting sample tubes is part of a whole series of modular system solutions. Sample tubes are added conveniently as bulk goods. Information such as the tube type and other properties and whether or not the sample has been centrifuged is determined automatically and the tubes are sorted into racks specific to the analyser. This saves valuable resources in the laboratory and helps to deal with the growing number of samples received.

Processes are also becoming more and more automated in microbiological laboratories. The POS 720/2 Petri dish organisation system assembles the correct sets of Petri dishes for every test, labels every plate with a barcode and the related sample and patient data and makes it available for inoculation.

SARSTEDT offers two concepts, the IVARO variants FD and AP, for automated liquid handling in university environments and in the industrial sector. These two multi-talents can be used for a wide range of container sizes and perform all possible tasks, such as opening, closing, dosing, aliquoting and labelling.

More information can be found on the following pages.



Sample transport · Laboratory automation

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Fast, flexible transport system for high volumes and urgent samples

- Sample tubes are sent directly to the laboratory without packaging
- Multiple inlet for up to 25 samples at a time
- Processing capacity of 1,250 sample tubes per hour
- Suitable for sample tubes 80 - 110 mm in length and 12 - 18 mm in diameter (including cap)
- Compatible with all laboratory automation systems, including bulk loaders, sorters and complete analysis lines



Drop and Go

The Quantit's user-friendly "Drop and Go" principle makes it easy and efficient for staff to send samples to the laboratory. The user simply places the samples in the drawer and once the drawer is closed, the system automatically sends them to the laboratory.

Urgent samples can be given priority by sending them in a special urgent sample compartment.



Sample transport and laboratory automation



A closer look at Tempus600®

Tempus600® is a transport system made up of Ø 25 mm pipelines and direct connections that do not cross at any point, eliminating the risk of blockages. Samples are delivered from the ward straight to the laboratory in just a few seconds without any packing and unpacking of samples, delays or incorrect deliveries. It is like having the laboratory right next to the patient.

With a capacity of up to 1,250 samples per hour, a Tempus600® line can significantly reduce the pressure on existing transport systems. Tempus600® systems can be installed in just 2 weeks.



Connecting sample transport to lab automation

No matter what equipment you currently have or are planning to install in your laboratory, it is fully compatible with Tempus600®. The system can be directly connected to sorters and laboratory automation systems from manufacturers and IVD companies from around the world, optimising the loading of samples and making the Tempus600® solution a key component in the pre-analytical process.

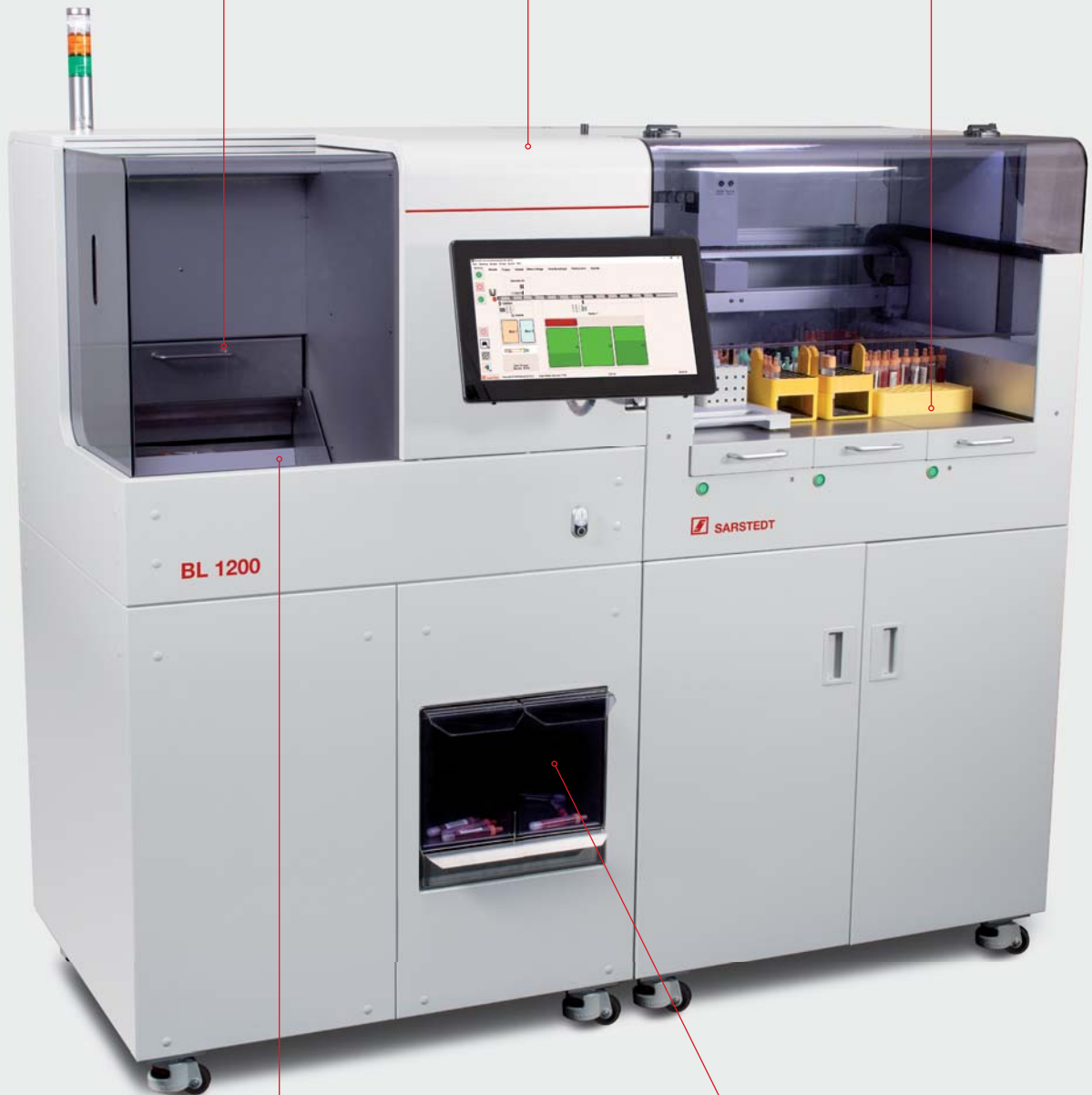


BL 1200 – Sorter · Bulk to Rack

Bulk to rack sorter for sample registration and pre-sorting, stand-alone or connected to an analysis line, can be expanded with additional modules.

Urgent samples can be loaded.

Freely configurable platform for all standard analyser racks.



Sorting in boxes for special distribution targets.

Closed sample tubes can be loaded manually in bulk or automatically via the tube transport system (e.g. Tempus600®).

Solutions for your sample receipt

- Automatic sorting in racks or boxes
- Stand-alone or connected to the analysis line
- Freely configurable sorting platforms
- Modules can be added to the system



BL 1200 – sorting platform freely configurable and expandable in a modular concept

All common carriers, whether linear racks, trays, rotors, segments, have space on the sorting surface as target carriers. No need to manually insert the sample tubes.



Sample transport and laboratory automation

BL 1200 – connected to the analysis line with the SORT CONNECT module

A robot forms the link between the sorter and analysis line. It can transfer single tubes or whole racks.

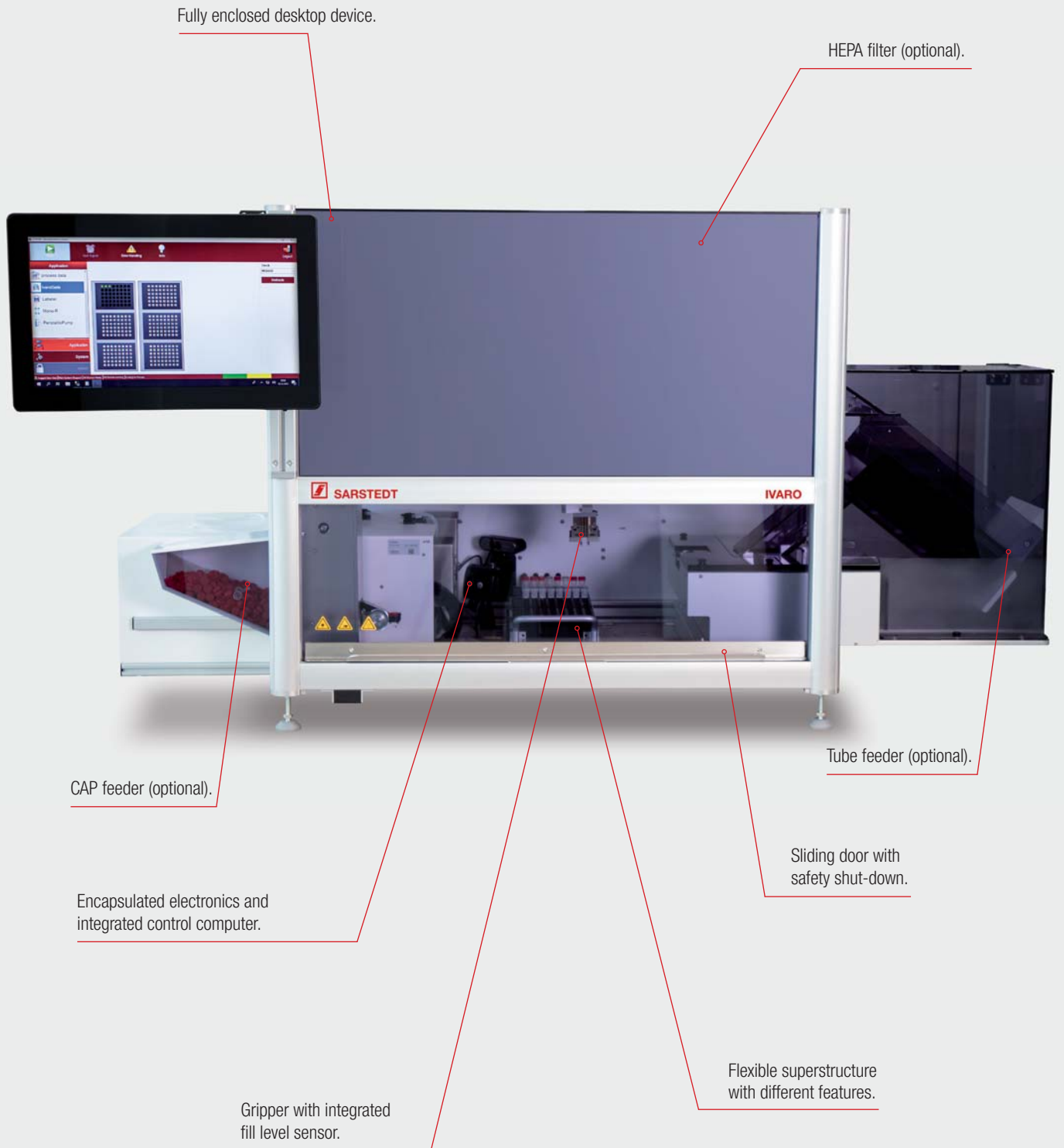


BL 1200 – with connection to a tube transport system (e.g. Tempus600®)

Sample tubes are transferred by a tube transport system directly to the bulk loader of the sorter. They can also be loaded manually.



IVARO Tube Handler



The smart solution for your processes

- Fully automated uncapping and recapping, filling and labelling
- Individual device configuration for your application and long stand-alone times
- Highly flexible as a wide range of tubes can be processed



IVARO FD – optimal filling and dosing

The IVARO FD is the ideal solution when small containers need to be filled with stock solutions, buffers and other liquids. Preparing samples, producing small product series, manufacturing kits and other time-intensive applications are made easy with the IVARO FD. With no manual effort, optimal speed and complete documentation, the IVARO FD supports you in your processes.



Sample transport and
laboratory automation

IVARO AP – precise aliquoting and pipetting

The IVARO AP is more than a liquid handler. It supports you in all types of sample preparation. It can easily fill several identical tubes simultaneously with liquid and aliquot specimens into different containers.

Whether open or closed tubes are to be processed or labelled, the IVARO AP is suitable for your process. A special feature of the IVARO AP is the variability of its tube formats. Whether you use tubes with a small diameter, such as screw cap micro tubes, or larger containers, such as 15 or 50 ml tubes, the IVARO AP is ready for your specimen.



POS 720/2 · Petri dish organisation system



POS 720/2 and PTS automation solutions for microbiology

- Reliable provision of the required Petri dishes
- Error-free labelling of plates with barcode and relevant information in plain text
- Stacking of related labelled plates and output for inoculation



POS 720/2 – selects necessary plates after testing

The device selects the required cultures for each test from supplies of 600 Petri dishes in 15 magazines and stacks them together as a set.



Sample transport and
laboratory automation

POS 720/2 – labelled Petri dishes

The Petri dishes can either be labelled on the base or the side of the plate with a barcode and relevant information.



POS 720/2 – delivers stacks of labelled plates for inoculation

Depending on the system version, the labelled plates for each sample are delivered on the POS 720/2 as a stack or conveyed to the streaking station via the PTS transport system.





Tempus600® Vita point-to-point transport of small clinical samples

- Tempus600® Vita transports up to 810 sample tubes per hour
- The system is compatible with all sample tubes: Length 80 - 110 mm, diameter 12 - 18 mm
- Vita can be connected to analysis lines, sorters and bulk loaders
- Optional module for the orientation of the sample tubes
- With dimensions of (H x W x D) 157 x 38 x 41 cm, the sleek and minimalistic design takes up little space and fits in most areas.

The Tempus600® Vita sending station makes it easy to send clinical samples in single tubes straight to the laboratory. The system ensures that samples are transported specifically, directly and quickly without requiring collection or manual packaging steps. The samples are loaded into the Vita insertion point, transported through a \varnothing 25 mm tube and received by the laboratory within a matter of seconds. The drastic reduction in total turnaround time for blood sample testing results in faster diagnoses and patient treatment.



Tempus600® Quantit point-to-point transport of small clinical samples

- High throughput of up to 1,250 samples per hour
- Transport of large quantities and urgent samples
- The system ensures the correct orientation of the samples
- Incompatible samples are automatically removed
- Dimensions (H x W x D) 124 x 63 x 49 cm

Tempus600® Quantit meets the requirements for sending several samples at the same time without packaging. Simultaneously and repeatedly, up to 25 samples can be placed in the drawer and the system sends the samples one by one. The samples are transported through a \varnothing 25 mm tube and received by the laboratory within a matter of seconds. An optional urgent sample module can be added to the sending station. It allows users to access the system at any time and manually load urgent samples for immediate processing. Tempus600® Quantit has three different software settings, depending on usage patterns.



Tempus600® Connection Module Connect to all automated lab equipment

- The Tempus600® Connection Module is compatible with laboratory automation systems, including bulk loaders, sorters and complete laboratory automation systems.
- Up to 8 connections
- An optional brake module can be added in order to increase sample throughput and ensure failure-free loading of the tubes, e.g. in fully automated systems
- Dimensions (H x W x D) 63 x 38 x 23 cm

The Tempus600® Connection Module is part of an automated one-touch handling system for sample tubes. The sample tubes are transported from the ward to the laboratory through the dedicated point-to-point system. The sample tubes are gently slowed down before landing in the automation module, instantly ready to continue the journey into a bulk loader, sorter etc. From there, they are automatically transferred e.g. to an analysis line.



Tempus600® Receiving Tray Ensuring a gentle arrival in the laboratory

- The Tempus600® Receiving Tray has up to two connections
- The soft interior of the tray reduces the impact of the samples when they land
- The inside of the tray lights up when samples arrive and a lid prevents the incoming samples from falling out of the tray
- An optional brake module can be added in order to increase sample throughput and ensure failure-free loading
- Dimensions (H x W x D) 65 x 28 x 43 cm

The Tempus600® Receiving Tray is part of an automated one-touch handling system for sample tubes. The sample tubes are delivered from the ward to the laboratory through the dedicated point-to-point system and arrive in the receiving tray where they are collected. The Tempus600® Receiving Tray is used when the samples have to be received and handled individually in the laboratory.

Tempus600® TM002 Control your Tempus600® devices on a user-friendly display

- Optional connection to a signal lamp indicating sample arrival
- Optional connection to a smartphone via SMS in the event of an error
- Languages: English, German and Spanish
- Optional communication with complete lab automation systems and sorters
- Dimensions (H x W x D) 27 x 32 x 5 cm



Tempus600® TM002 enables you to control and monitor your Tempus600® devices from one display and from any smartphone, tablet or desktop computer. The display has an intuitive user interface and graduated levels of access for users and technicians. The system is able to monitor up to 44 sending stations simultaneously and the software can be seamlessly updated online.

Tempus600® Necto Ideal as a sorter for incoming samples

- No pre-sorting or manual handling of sample tubes required
- Sample sorting by means of barcodes, tube type, LIS or a combination of these
- A camera identifies the cap colour and tube shape
- Samples are intelligently routed to the waiting loop if there is no test order
- Safe, rapid and continuous operation

The Tempus600® Necto is an automated solution, delivering high throughput for receiving, collecting and transporting samples over long distances.



Benefits of the Tempus600® Necto solution:

1. Supports the automation of reception areas and in clinical laboratories that receive large volumes of samples.
2. Operates as a redistribution centre for samples sent from hospital departments via the Tempus600® system or conventional systems.
3. Can operate as a combination of the above systems.

The system can transfer samples to up to six different locations.

The capacity of the bulk compartment is around 600 small tubes and a throughput of up to 1,200 small tubes per hour.

The Tempus600® Necto is compatible with all sample tubes 80-110 mm in length and 12-18 mm in diameter (including the lid). Dimensions of the unit (H x W x D) 153 x 214 x 76 cm.



DC 1200 series

- Tubes from various manufacturers with screw caps or push caps are opened in a mixed operation
- Opening is carried out in the analysis rack – no reloading required
- Available for many common linear racks
- Prevents chronic repetitive strain injury (RSI) and reduces the risk of infection
- Throughput of up to 1,200 tubes per hour

With the Decapper DC 1200, almost all tubes with screw caps or push caps can be opened quickly, safely and fully automatically. No time-intensive and monotonous manual opening of the tubes is required. This reduces the risk of repetitive strain injury (RSI) and the risk of infection caused by leaking sample material. The tubes can be placed in the rack unsorted and processed quickly and efficiently right away.



RC 1200 series

- Automated recapping for tube diameters of 13-16 mm
- Minimises evaporation, prevents contamination
- Available for many common linear racks
- Throughput of up to 1,200 tubes per hour

The Recapper RC 1200 closes the tubes – quickly, safely and reliably. The sample tubes are closed with archiving caps to prevent evaporation. This preserves the quality of the sample. Manual steps are eliminated – this is guaranteed to reduce the risk of contamination. The RC 1200 provides relief to laboratory staff by taking on the important task of sample retention and archiving.



RC 1200 S series

- Automated recapping with a 13 or 15 mm screw cap
- Meets all requirements for sample transport
- Ideal for sending samples and long-term archiving
- Throughput of up to 1,200 tubes per hour

Just as quickly and reliably as the RC 1200, the RC 1200 S offers the special function of screwing on caps to ensure samples can be further transported and dispatched without leaking. The tubes remain perfectly closed and ready for the next steps.

HCTS2000 MK2

- Sample registration and pre-sorting
- From bulk loader to bin
- Sorting according to specific criteria or sample-specific according to LIS
- Up to 22 distribution targets, plus 1 error sample box
- High throughput of up to 2,000 tubes per hour



HCTS2000 MK2 is the ideal sorter for quickly and automatically registering and pre-sorting incoming samples. Closed sample tubes can be put into the device loader straight out of the transport bag. The Tempus600® tube transport system can also be connected.

The sample tubes are sorted and distributed with the help of the reliable camera module according to specific parameters or according to the sample with information from the LIS (Laboratory Information System). Container type and barcode are registered in seconds. Plausibility checks are performed to find and sort out error samples.

The 7 standard targets with a capacity of up to 200 tubes can be expanded to 22 targets with the extension unit.

BL 1200 (Bulk to Rack)

- Sample registration and sorting into work areas
- From bulk loader to racks or boxes
- Compact outer dimensions, customised layout
- Sorting according to specific criteria or sample-specific according to LIS
- Throughput of up to 1,200 tubes per hour



The Bulk Sorter BL 1200 forms the basis for fast and efficient registering and sorting of incoming samples.

The closed sample tubes can be loaded manually or via the Tempus600® system.

The camera system registers the tube type, the scanner reads the sample ID so that the tubes can be sorted reliably according to specific criteria or the information provided by the LIS.

The samples are then assigned to the racks and target bins. The distribution targets can be adapted to suit the user's requirements so that the samples are placed into block racks, linear racks, trays, segments or rotors, ready for the next process step.

BL 1200 SORT CONNECT (Bulk to Track)

- SORT CONNECT – Bulk loading samples with reliable registration of sample receipt and universal connection to analysis lines
- Process optimisation thanks to pre-sorting and separating tubes without a test request for the line
- Autoloop if the test order is missing
- Freely configurable sorter platforms
- Special functions available, e.g. partly filled racks are automatically completed with balancing tubes for centrifugation



Equipped with all the functions of the BL 1200 and fitted with the SORT CONNECT module, the BL 1200 SORT CONNECT can be connected to an analysis line or an integrated system. The automatically sorted sample tubes are transferred manually to the next step in the device rack or can be automatically transferred to the analysis line by the SORT CONNECT module. A flexible robot is available for the transfer. The modular concept means the system can be expanded in a variety of ways. The system still retains its high speed of up to 1,200 tubes per hour and is therefore suitable for laboratories with a high throughput.

DC/RC 900 Flex

- Pre- and post-analytics in the one compact device
- Opens and closes tubes with push cap or screw cap
- Input and output in all common rack or carrier systems
- Online or offline operation
- Throughput of up to 700 tubes per hour



DC/RC 900 Flex combines pre- and post-analytics in a single compact stand-alone system (decapping, sorting, recapping, archiving). The modular system is tailored to the customer's needs and with all functions takes up only around 1 m² of floor space. The device processes up to 700 tubes an hour, either offline according to specific criteria or online according to the requirements of the laboratory information system, and is both the most compact and the fastest sorter of its class. The XY unit of the DC RC 900 Flex is extremely versatile. Standard block racks, analyser racks, such as linear racks, segments, rotors or archive carriers can be used here. Racks for new analysers can also be quickly integrated into the DC RC 900 Flex without device modification and new functions can be added.

HSS

- Modular configuration for pre- and post-analytics
- Stand-alone or with track connection via SORT CONNECT
- Processed according to order, barcode, tube type, material
- High throughput of up to 1,200 tubes/hour

In all configurations, the modular HSS high speed sorter is the ideal solution for laboratories, blood donation services and university hospitals with a medium and high throughput. The proven technology now features a new design. With a depth of only 76 cm, the HSS easily fits in the laboratory.

The system's unique combinations mean the HSS can support all work steps, from sample receipt to archiving. Regardless of whether the sample tubes are loaded as bulk goods or in racks, push caps or screw caps are removed or the tubes are to be closed for storage and transport, the HSS covers all areas of use. The samples are identified by the ID module, ensuring that no mix-ups occur. The SORT CONNECT modules connects the HSS directly to an analysis line.

Sorter modules can be flexibly configured to make the samples available for the next work steps in suitable racks and trays.

HSS (IO-ID-DC-IO)



HSS (IO-ID-DC-RC-IO)



HSS (BL-IO-ID-DC-RC-IO)



AL-Flex stand-alone aliquoter

- Intelligent volume management
- Contamination-free pipetting
- Integrated barcode labelling of aliquot tubes immediately before filling
- All commonly used source and target carriers are freely configurable



Quick and precise redistribution of sample material in several secondary tubes considerably shortens the total analysis duration. Performing this otherwise very time-consuming step before the analyses and being able to load the samples into several devices at the same time leads to shorter turnaround times of patient samples.

Open primary tubes, such as the S-Monovette® can be loaded to the AL-Flex. The LIS provides information on the secondary tubes required. They are automatically labelled and filled with precisely the required sample volume. Then the AL-Flex transfers all tubes into defined target carriers. They are therefore available for further parallel analyses in no time at all.

PVS with aliquoter module

- Sorter with aliquoter
- Suitable for every automation system
- Input and output of samples in all common rack or carrier systems
- High throughput of up to 1,200 tubes/hour (aliquoter up to 390 tubes per hour)



The PVS is fully modular and covers all work steps – sample loading, identification, opening, aliquoting, closing and sorting – in one device. The main feature of the PVS is the aliquoter, which is available in 2 variants.

The samples can either be pipetted into secondary tubes for parallel processing on several analysers or aliquoted in a routine process in plates and cluster tubes using the AMC module and then further processed or archived by pipetting machines.

The automation software can specify variable aliquoting volumes, calculate the available sample volume, create configurable label layouts and provide options in the event of insufficient sample material. Sample mix-ups are avoided and the available sample volume is used in the most efficient way.

IVARO AP – precise aliquoting and pipetting

- Reliable pipetting /aliquoting
- Safe processing
- Reproducible process
- Completely closed system
- Compatible with different tube sizes



With the IVARO AP, liquids can be processed precisely and flexibly. Using additional functions, such as decapping and recapping, labelling or automatically loading tubes, work processes can be performed fully automatically. The IVARO AP ensures maximum safety and seamless documentation for every sample and aliquot.

IVARO FD – optimal filling and dosing

- Precise filling
- Short process times
- Complete documentation
- Completely closed system
- Compatible with different tube sizes



The IVARO FD makes both quick and safe dosing and filling containers with several millilitres of liquid possible. A variety of modules enables work steps such as decapping and recapping, labelling and filling to be performed in just one work step. Optional modules, such as the tube and cap feeder are available to fully automate the work process.

POS 720/2 Petri dish organisation system

- Selection of all necessary culture dishes for the required sample material from supplies of up to 15 different media
- The plates are output on the stack holder for collection and further processing
- Printing of additional labels for fluid media or rarely used culture media
- Large magazine – supplies of up to 600 plates
- High speed of up to 600 plates per hour



The Petri dish organisation system automates and accelerates processes and provides relief to personnel in microbiological laboratories. Up to 600 Petri dishes with 15 different media are available for further processing. The right plates for each test material are selected automatically based on specific criteria.

The plates are labelled on the base or the side to ensure all the necessary information is easy to read. Special labels are also printed on a separate printer. The Petri dishes are then sorted according to sample and work area, put into a stack and made available for the next step. Subsequently, samples can be loaded and plates can be streaked manually at the streaking station.

PTS Petri dish transfer system

- Transport system for stacks of plates to the streaking stations
- Customised configuration of the track length and route
- Low personnel requirement and easy to operate
- Reliable provision of all required Petri dishes
- Reliable identification of plates throughout processing



The Petri dish Transfer System ensures the continuous automatic transport of the stack of plates on a conveyor belt to the streaking stations. This saves transport time and makes the process even more effective. The stack of plates is delivered to the different work stations (varia, fungi, stool, urine, etc.) in the exact sequence requested for the individual samples. This improves the processes and efficiency in the laboratory.



The right container for every sample

High-quality, safe and robust containers are essential for mixing, processing and storing samples. As one of the world's biggest manufacturers of tubes and storage containers, we offer the right products for every laboratory and analytical requirement.

Our broad product portfolio in the field of reagent and centrifuge tubes with round, conical or flat base, with or without skirted base, with push cap or screw cap is completed by printed, labelled or custom-made article variants.

Our screw cap micro tubes with highly secure caps are particularly suitable for small volumes. For more than 40 years, they have proven effective millions of times over as centrifuge tubes or transport and storage containers for e.g. high-quality synthesised oligonucleotides, enzymes and buffers. Our reaction tubes are available in several designs and colours and are ideal for almost every routine application for small volumes up to 2 ml.

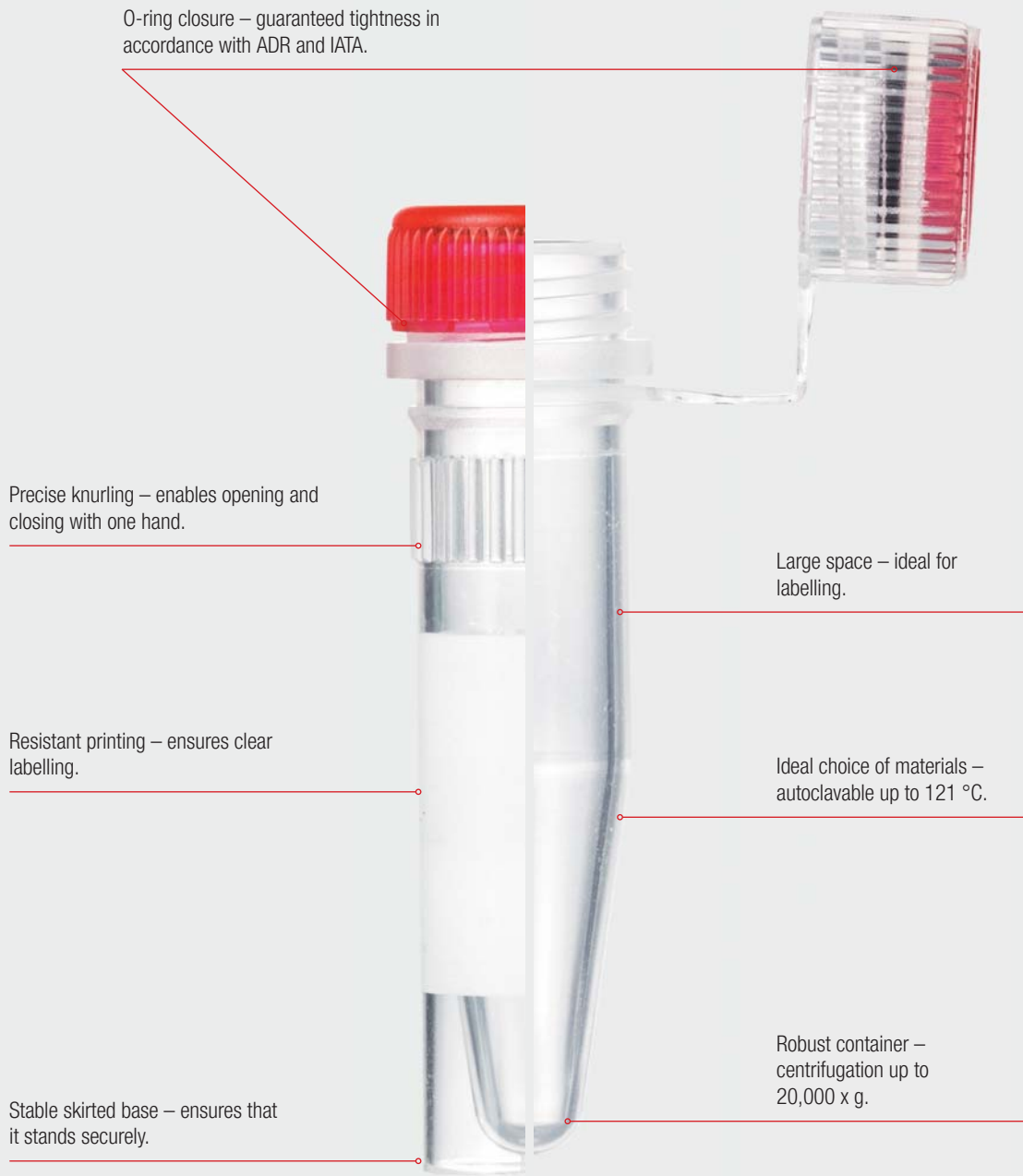
The CryoPure system allows tubes to be stored securely at sub-zero temperatures. Our microtest and DeepWell plates are suitable for micro-litre assays and the space-saving storage of samples. Large volumes can be stored in multipurpose cups and containers.

Our ELISA plates are available with two different protein-binding capacities – medium binding and high binding. They are produced in the ANSI/SLAS standard format, making the plates compatible with common dispensers, washers and readers. Suitable storage boxes and racks for tubes and reaction tubes round off our product range.



Sample handling

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The industry standard

- 3 different volumes for quantities of a few microlitres up to 2 ml
- Different lid colours for individual coding
- Certified purities for highly sensitive analysis methods
- DNA and low protein-binding collection tubes ensure optimum recovery rates



Screw cap micro tubes

With the introduction of the screw cap micro tubes 40 years ago, SARSTEDT established a new class of secure screw cap containers that have been proven millions of times over and have now become indispensable in modern research and diagnostics. With volumes of 0.5 ml to 2.0 ml, the variety of containers and caps and the selection of coding options, SARSTEDT screw cap micro tubes offer the right solution for every requirement.

Cleanroom conditions, skilled personnel wearing protective clothing and automated production processes are the prerequisites for the certified SARSTEDT PCR Performance Tested and Biosphere® plus quality standards. We therefore provide you with a level of product quality that is tailored to your applications to ensure maximum reproducibility in your analyses.

As the trend towards decreasing volumes continues, it is even more important to minimise any interactions between the analytes and the collection tubes used. SARSTEDT has therefore developed screw cap micro tubes that ensure a optimum recovery rate and are specially optimised to meet the requirements of protein and DNA analytics. Minimising sample loss - especially for costly and valuable reagents - is essential to save costs, achieve accurate analysis results and ensure secure storage over a long period of time.





10, 15 and 50 ml centrifuge tubes

10, 15 and 50 ml centrifuge tubes are used for laboratory applications that require precise work. This includes mixing, processing and storing samples in particular. Special benefits of the SARSTEDT tubes include high centrifugation, good chemical resistance and optimum sealing thanks to the secure caps.



Racks and storage boxes

Our varied range of racks offers the ideal solution for all applications. Whether for S-Monovettes, tubes with different diameters, screw cap micro tubes or reaction tubes – the SARSTEDT rack range is practical and versatile.



SafeSeal reaction tubes

It is impossible to imagine a laboratory routine these days without the small, tapered plastic tubes with a snap lid – the reaction tubes. Quick to open and leak-tight when closed, they are used in a myriad of applications.

The special SafeSeal design makes SARSTEDT reaction tubes especially suitable for use under thermal or mechanical stress. The special securing tabs facilitate reliable sealing even at high centrifugation forces or when mixing or heating samples.



Sample handling

Low binding collection tubes

As the trend towards decreasing volumes continues, it is increasingly important to minimise any interactions between the analytes and the tubes used. SARSTEDT has therefore developed reaction tubes and screw cap micro tubes that ensure a maximum recovery rate and are specially optimised to meet the requirements of protein and DNA analytics.





CryoPure collection tubes

For the storage of cell materials and cell components at temperatures down to $-196\text{ }^{\circ}\text{C}$, SARSTEDT offers a professional and certified freezing system to prevent the samples being exposed to additional risks of contamination with interfering substances.

The highly transparent CryoPure tubes are available with an external and internal thread with different volumes.

The different colours of QuickSeal caps and matching colour-coded inserts give you many colour combinations so that you can find the sample you are looking for more quickly and easily.



ELISA plates

SARSTEDT offers ELISA plates with two different surfaces for a wide range of applications in immunoanalytics:

SARSTEDT medium binding ELISA plates are hydrophobic and are generally suitable for adsorption of primarily hydrophobic and larger/flexible molecules.

SARSTEDT high binding ELISA plates feature a defined hydrophilic surface optimised for the adsorption of more hydrophilic and small/rigid molecules.



Micro test plates

SARSTEDT offers micro test plates with flat, round or conical bases for a variety of applications, such as producing dilution series, quantifying protein concentrations or storing samples. The plates comply with the ANSI/SLAS standard and are ideal for conducting parallel analyses on several samples. The alphanumeric labelling, including between the wells, makes pipetting easier. Labelling the batch number and expiry date on every single plate facilitates traceability.



Sample handling

Deep well plates

The range of SARSTEDT deep well plates is ideal for sample processing in automated systems and for storing reference samples. Alphanumeric labelling facilitates sample identification and traceability for manual filling. In addition, a 100% leak test of each individual well ensures maximum safety.





PP tubes with round base: 3 - 30 ml

Material PP
Graduations No
Base shape Round base

- Amount of packaging reduced by 40% (if StackPack option is used)
- Polypropylene (PP) tubes for thermal, mechanical and chemical applications
- Different push caps for a variety of applications
- Volumes from 3 ml - 30 ml

Volume	Length	Ø	Packaging (SP/IB/OC)	SP	Order no.
3 ml	75 mm	10 mm	1,000 / 1,000 / 2,000		55.528
3.5 ml	55 mm	12 mm	1,000 / 1,000 / 5,000		55.535
5 ml	75 mm	12 mm	1,000 / 1,000 / 4,000		55.526.005
5 ml	75 mm	12 mm	500 / 500 / 4,000		55.526
5 ml	75 mm	13 mm	1,000 / 1,000 / 2,000		55.525.505
5 ml	75 mm	13 mm	500 / 500 / 2,000		55.525.500
8 ml	100 mm	13 mm	500 / 500 / 2,000		55.516
9 ml	67 mm	16.8 mm	1,000 / 1,000 / 2,000		55.533
11 ml	82 mm	16.8 mm	500 / 500 / 1,000		55.524
11.5 ml	100 mm	15.7 mm	500 / 500 / 1,000		55.539
11.5 ml	100 mm	15.7 mm	250 / 250 / 1,000		55.539.250
13 ml	95 mm	16.8 mm	500 / 500 / 1,000		55.518
13 ml	100 mm	16 mm	500 / 500 / 1,000		55.515
14 ml	105 mm	16.8 mm	500 / 500 / 1,000		55.538
14 ml	119 mm	15.5 mm	500 / 500 / 1,000		55.511
16.5 ml	130 mm	17 mm	250 / 250 / 1,000		55.510
20 ml	100 mm	21.5 mm	500 / 500 / 1,000		55.514
30 ml	95 mm	24.8 mm	250 / 250 / 500		55.517



PS tubes with round base: 3.5 - 26 ml

Material

PS

Base shape

Round base

- Amount of packaging reduced by 40% (if StackPack option is used)
- Polystyrene (PS) tubes for maximum transparency
- Different push caps for a variety of applications
- Volumes from 3.5 ml - 26 ml

Volume	Length	Ø	Graduations	Packaging (SP/IB/OC)	SP	Order no.
3.5 ml	55 mm	12 mm	No	1,000 / 1,000 / 4,000		55.484.005
3.5 ml	55 mm	12 mm	No	500 / 500 / 4,000		55.484
4 ml	50 mm	14 mm	No	1,000 / 1,000 / 3,000		55.655
5 ml	75 mm	12 mm	Yes	1,000 / 1,000 / 2,000		62.476.022
5 ml	75 mm	12 mm	No	1,000 / 1,000 / 2,000		55.476.005
5 ml	75 mm	12 mm	No	500 / 500 / 2,000		55.476
5 ml	75 mm	13 mm	No	1,000 / 1,000 / 2,000		55.475.005
5 ml	75 mm	13 mm	No	500 / 500 / 2,000		55.475
6.5 ml	85 mm	13 mm	No	1,000 / 1,000 / 2,000		55.472
7 ml	65 mm	15.7 mm	No	1,000 / 1,000 / 2,000		55.482
8 ml	84 mm	14.5 mm	No	1,000 / 1,000 / 2,000		55.473
8 ml	100 mm	13 mm	No	500 / 500 / 2,000		55.467.005
8 ml	100 mm	13 mm	No	500 / 500 / 2,000		55.467
8.5 ml	75 mm	15.7 mm	No	1,000 / 1,000 / 2,000		55.495
9 ml	67 mm	16.8 mm	No	1,000 / 1,000 / 2,000		55.481
10 ml	95 mm	16.8 mm	Yes	500 / 500 / 1,000		62.492

PS tubes with round base: 3.5 - 26 ml

Volume	Length	∅	Graduations	Packaging (SP/IB/OC)	SP	Order no.
11 ml	82 mm	16.8 mm	No	500 / 500 / 1,000		55.474
11.5 ml	100 mm	15.7 mm	No	500 / 500 / 1,000		55.466.005
11.5 ml	100 mm	15.7 mm	No	250 / 250 / 1,000		55.466
13 ml	95 mm	16.8 mm	No	250 / 250 / 1,000		55.468
13 ml	95 mm	16.8 mm	No	500 / 500 / 1,000		55.468.005
13 ml	100 mm	16 mm	No	500 / 500 / 1,000		55.459
14 ml	105 mm	16.8 mm	No	250 / 250 / 1,000		55.463
14 ml	119 mm	15.5 mm	No	500 / 500 / 1,000		55.461
16.5 ml	130 mm	17 mm	No	250 / 250 / 1,000		55.460
20 ml	100 mm	21.5 mm	No	500/500/500		55.465
26 ml	87 mm	23.5 mm	No	250/250/500		55.471



PS tubes with round base, sterile: 3.5 - 13 ml

Material	PS
Graduations	No
Purity	Sterile
Cap	Assembled
Base shape	Round base
Complies with requirement	Sealed at 0.6 bar/10 min

- Polystyrene (PS) tubes for maximum transparency
- Large grip for optimal handling
- Excellent sealing properties

Volume	Length	∅	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
3.5 ml	55 mm	12 mm	☒	100 / 100 / 2,000		55.484.001
5 ml	75 mm	13 mm	☒	100 / 100 / 1,000		55.475.001
13 ml	95 mm	16.8 mm	☒	100 / 100 / 500		55.468.001



PP tubes with assembled two-level ventilation cap: 5 and 13 ml

Material	PP
Purity	Sterile
Cap	Assembled
Base shape	Round base
Complies with requirement	Sealed at 0.6 bar/10 min

- Tube with round base and 2-position closure
- First position: Ventilation of the inside of the tube through the only lightly fitted push cap
- Second position: Tube tightly sealed by pushing down the push cap

Volume	Length	Ø	Graduations	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
5 ml	75 mm	12 mm	No	☒	25 / 25 / 1,000		55.526.006
5 ml	75 mm	12 mm	Yes	☒	1 / 100 / 500		62.526.028
13 ml	100 mm	16 mm	Yes	☒	25 / 25 / 500		62.515.006
13 ml	100 mm	16 mm	Yes	☒	1 / 100 / 500		62.515.028

Sample handling



PS tubes with fitted two-level ventilation cap: 5 ml

Material	PS
Purity	Sterile
Base shape	Round base
Complies with requirement	Sealed at 0.6 bar/10 min

- Tube with round base und 2-position closure
- Ventilation cap with two-position closure
- First position: Ventilation of the inside of the tube through the only lightly fitted push cap
- Second position: Tube tightly sealed by pushing down the push cap

Volume	Length	Ø	Graduations	Cap colour	Cap	Packaging (SP/IB/OC)	SP	Order no.
5 ml	75 mm	12 mm	No	☒	–	25 / 25 / 1,000		55.476.013
5 ml	75 mm	12 mm	Yes	☒	Assembled	1 / 100 / 500		62.476.028



Tubes for special analysers: 4.5 and 5 ml

Graduations No

- Conical base shape for optimal sample yields
- Polypropylene (PP) tubes for thermal, mechanical and chemical applications

Volume	Length	Ø	Material	Purity	Suitable for	Base shape	Packaging (SP/IB/OC)	SP	Order no.
4.5 ml	75 mm	12 mm	PP	–	Pharmacia/LKB Gamma Counter and Gamma Counter Cobra from Packard	Conical base	1,000 / 1,000 / 4,000		57.477.500
5 ml	75 mm	11.5 mm	Glass	–	Coombs test	Round base	294 / 2,352 / 2,352		86.1509
5 ml	75 mm	12 mm	PP	–	Flow cytometer FACSCan	Round base	500 / 500 / 2,000		55.1578
5 ml	75 mm	12 mm	PS	–	Flow cytometer like FACSCanto, FACSARIA, FACSCalibur, LRS2, FC500	Round base	500 / 500 / 2,000		55.1579
5 ml	75 mm	12 mm	PS	Sterile	Flow cytometer like FACSCanto, FACSARIA, FACSCalibur, LRS2, FC500	Round base	50 / 50 / 1,000		55.1579.002
5 ml	75 mm	12 mm	PS	–	Vitek and Vitek 2 from bioMérieux	Round base	500 / 500 / 2,000		55.476.061
5 ml	75 mm	12 mm	PP	–	Abbott m1000	Round base	500 / 500 / 2,000		55.526.053
5 ml	75 mm	13 mm	PS	–	Tecan Genesis, FE500	Round base	490 / 490 / 1,960		55.475.200



PP tubes with round base and tapered external thread: 5 ml

Material PP
Graduations No
Base shape Round base
Complies with requirement IATA

- Secondary tube dimensions same as S-Monovette® and tube with false bottom
- Can be delivered in a bag or compact StackPack
- Compatible with screw cap 65.163

Volume	Length	Ø	Packaging (SP/IB/OC)	SP	Order no.
5 ml	75 mm	13 mm	1,000 / 1,000 / 2,000		60.504.010
5 ml	75 mm	13 mm	500 / 500 / 2,000		60.504.015



PC tubes with round base: 12 ml

Material	PC
Graduations	No
Base shape	Round base
Complies with requirement	ADR

- High temperature resistance up to 138 °C
- Tubes and cap autoclavable
- Particularly suitable for deep-freeze storage down to -80 °C
- PP screw cap

Volume	Length	Ø	Purity	Cap colour	Cap	Packaging (SP/IB/OC)	SP	Order no.
12 ml	99 mm	16 mm	–	□	Enclosed	1,000 / 1,000 / 1,000		60.9922.936
12 ml	99 mm	16 mm	Sterile	■	Assembled	100 / 100 / 1,000		60.9922.937



PP screw cap tubes with round bottom: 4.5 - 10 ml

Material	PP
Base shape	Round base
Complies with requirement	IATA

- Polypropylene (PP) tubes for thermal, mechanical and chemical applications
- Volumes from 4.5 ml - 10 ml
- Especially secure cap

Volume	Length	Ø	Graduations	Purity	Cap colour	Cap	Packaging (SP/IB/OC)	SP	Order no.
4.5 ml	75 mm	12 mm	No	Sterile	☒	Assembled	100 / 100 / 1,000		60.557.001
4.5 ml	75 mm	12 mm	No	–	☒	Enclosed	1,000 / 1,000 / 2,000		60.557
6 ml	92 mm	11.5 mm	No	Sterile	☒	Assembled	500 / 500 / 1,000		60.546.002
6 ml	92 mm	11.5 mm	No	–	☒	Enclosed	1,000 / 1,000 / 1,000		60.546
6.5 ml	90 mm	13 mm	No	–	☒	Enclosed	500 / 500 / 2,000		60.503
7 ml	82 mm	13 mm	No	Sterile	☒	Assembled	100 / 100 / 1,000		60.550.109
7 ml	82 mm	13 mm	No	–	☒	Enclosed	1,000 / 1,000 / 1,000		60.550.100
7 ml	82 mm	13 mm	No	–	☒	Assembled	100 / 100 / 1,000		60.550.115
10 ml	79 mm	16 mm	No	Sterile	☒	Assembled	100 / 100 / 1,000		60.506.001
10 ml	79 mm	16 mm	No	–	☒	Enclosed	1,000 / 1,000 / 1,000		60.506
10 ml	92 mm	15.3 mm	Yes	Sterile	☒	Assembled	100 / 100 / 500		62.610.201
10 ml	92 mm	15.3 mm	No	Sterile	☒	Assembled	100 / 100 / 500		60.610.001
10 ml	92 mm	15.3 mm	No	–	☒	Assembled	100 / 100 / 1,000		60.610.100
10 ml	92 mm	15.3 mm	No	–	☒	Enclosed	500 / 500 / 1,000		60.610



PP screw cap tubes with round bottom and coloured screw cap: 13 ml

Material	PP
Graduations	No
Base shape	Round base
Complies with requirement	IATA

- Different cap colours for better coding
- Polypropylene (PP) tubes for thermal, mechanical and chemical applications
- Ribbed cap for maximum grip

Volume	Length	Ø	Purity	Cap colour	Cap	Packaging (SP/IB/OC)	SP	Order no.
13 ml	101 mm	16.5 mm	Sterile	☒	Assembled	1 / 100 / 500		60.540.108
13 ml	101 mm	16.5 mm	Sterile	☒	Assembled	100 / 100 / 500		60.540.012
13 ml	101 mm	16.5 mm	Sterile	☒	Assembled	500 / 500 / 500		60.540.500
13 ml	101 mm	16.5 mm	Sterile	■	Assembled	500 / 500 / 500		60.540.022
13 ml	101 mm	16.5 mm	Sterile	■	Assembled	500 / 500 / 500		60.540.014
13 ml	101 mm	16.5 mm	Sterile	■	Assembled	500 / 500 / 500		60.540.052
13 ml	101 mm	16.5 mm	–	☒	Assembled	100 / 100 / 1,000		60.541.545
13 ml	101 mm	16.5 mm	–	☒	Enclosed	500 / 500 / 1,000		60.541.500
13 ml	101 mm	16.5 mm	–	■	Enclosed	500 / 500 / 1,000		60.541.003
13 ml	101 mm	16.5 mm	–	■	Enclosed	500 / 500 / 1,000		60.541.929
13 ml	101 mm	16.5 mm	–	■	Enclosed	500 / 500 / 1,000		60.541.021



PP screw cap tubes with round base and O-ring screw cap: 13 ml

Volume	13 ml
Material	PP
Graduations	No
Base shape	Round base
Complies with requirement	IATA

- O-ring cap increases cap security for fluctuations in temperature
- Polypropylene (PP) tubes for thermal, mechanical and chemical applications
- Ribbed cap for maximum grip

Length	Ø	Purity	Cap colour	Cap	Packaging (SP/IB/OC)	SP	Order no.
101 mm	16.5 mm	Sterile	☒	Assembled	500 / 500 / 500		60.540.016
101 mm	16.5 mm	–	☒	Enclosed	500 / 500 / 1,000		60.541.004



Colour-coded inserts

Suitable for

Screw caps of tubes 16.5 mm

- Different colours for better coding
- Quick and flexible coding and identification
- Easy to push in

Colour	Packaging (SP/IB/OC)	SP	Order no.
	500 / 3,000 / 3,000		65.744.999



PP screw cap tubes with skirted round base: 10 and 13 ml

Material

PP

Base shape

Skirted round base

Complies with requirement

IATA

- Tube with skirted base ensures that it stands securely
- Polypropylene (PP) tubes for thermal, mechanical and chemical applications
- Especially secure cap

Volume	Length	Ø	Graduations	Purity	Cap colour	Cap	Packaging (SP/IB/OC)	SP	Order no.
10 ml	79 mm	16 mm	Yes	Sterile	<input checked="" type="checkbox"/>	Assembled	100 / 100 / 1,000		62.551.201
10 ml	79 mm	16 mm	No	Sterile	<input checked="" type="checkbox"/>	Assembled	100 / 100 / 1,000		60.551.001
10 ml	79 mm	16 mm	No	–	<input checked="" type="checkbox"/>	Enclosed	1,000 / 1,000 / 1,000		60.551
13 ml	101 mm	16.5 mm	No	Sterile	<input checked="" type="checkbox"/>	Assembled	500/500/500		60.540.686
13 ml	101 mm	16.5 mm	No	–	<input checked="" type="checkbox"/>	Enclosed	500 / 500 / 1,000		60.541.685



Secondary tubes 90 x Ø 13 mm: 6.5 ml

Volume

6.5 ml

Material

PP

Graduations

No

Base shape

Round base

Complies with requirement

IATA

- Secondary tube dimensions 90 x 13 mm corresponding to S-Monovette® and tube with false bottom
- Meets IATA requirements for sample shipping
- Suitable for deep freezing
- Rounded base for easily loading the sample carrier

Length	Ø	Cap colour	Cap	Packaging (SP/IB/OC)	SP	Order no.
90 mm	13 mm	<input checked="" type="checkbox"/>	Enclosed	500 / 500 / 2,000		60.503
90 mm	13 mm	–	Without	500 / 500 / 2,000		60.503.010



Secondary tubes 92 x Ø 15.3 mm: 10 ml

Volume	10 ml
Material	PP
Graduations	No
Cap	Without
Base shape	Round base
Complies with requirement	IATA

- Secondary tube dimensions 92 x 15.3 mm correspond to S-Monovette® and tube with false bottom
- Meets IATA requirements for sample shipping
- Suitable for deep freezing
- Rounded base for easily loading the sample carrier

Length	Ø	Packaging (SP/IB/OC)	SP	Order no.
92 mm	15.3 mm	500 / 500 / 1,000		60.610.013



PP centrifuge tubes with conical base: 50 ml

Volume	50 ml
Centrifugation up to	20,000 x g
Material	PP
Label/print	With print (blue/white)
Cap	Assembled
Base shape	Conical base
Complies with requirement	ADR

- Blue graduated scale for ideal volume reading
- Resilient text field allows clear labelling
- Certified free of DNA, DNase, RNase, PCR inhibitors, pyrogens and non-cytotoxic
- Especially leak tight as per the ADR transport directive

Length	Ø	Sterile	Cap colour	Colour	Packaging (SP/IB/OC)	SP	Order no.
114 mm	28 mm	Yes	■	☒	25 / 25 / 300		62.547.254
114 mm	28 mm	Yes	■	☒	25 / 25 / 300		62.547.004
114 mm	28 mm	Yes	☒	☒	25 / 25 / 300		62.547.274
114 mm	28 mm	Yes	■	■	25 / 25 / 300		62.547.354
114 mm	28 mm	No	☒	☒	25 / 25 / 300		62.548.004
114 mm	28 mm	No	■	■	25 / 25 / 300		62.548.304



PP tubes with skirted base: 50 ml

Volume	50 ml
Centrifugation up to	8,000 x g
Material	PP
Label/print	With print (blue/white)
Cap	Assembled
Base shape	Skirted conical base
Complies with requirement	ADR

- Blue graduated scale for ideal volume reading
- Resilient text field allows clear labelling
- Tube with skirted base ensures that it stands securely
- Certified free of DNA, DNase, RNase, PCR inhibitors, pyrogens and non-cytotoxic
- Especially leak tight as per the ADR transport directive

Length	∅	Sterile	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
115 mm	28 mm	Yes	■	25 / 25 / 300		62.559.001
115 mm	28 mm	Yes	☒	25 / 25 / 300		62.559.010
115 mm	28 mm	No	■	25 / 25 / 300		62.559



PP centrifuge tubes: 15 ml

Volume	15 ml
Centrifugation up to	20,000 x g
Material	PP
Label/print	With print (white/blue)
Cap	Assembled
Base shape	Conical base
Complies with requirement	IATA

- Blue graduated scale for ideal volume reading
- Resilient text field allows clear labelling
- Certified free of DNA, DNase, RNase, PCR inhibitors, pyrogens and non-cytotoxic
- Especially leak tight as per the ADR transport directive

Length	∅	Sterile	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
120 mm	17 mm	Yes	☒	50 / 50 / 500		62.554.016
120 mm	17 mm	Yes	■	50 / 50 / 500		62.554.502
120 mm	17 mm	Yes	■	50 / 50 / 500		62.554.002
120 mm	17 mm	No	■	50 / 50 / 500		62.554.001



PS centrifuge tubes: 15 ml

Volume	15 ml
Centrifugation up to	4,100 x g
Material	PS
Label/print	With print (white/blue)
Cap	Assembled
Base shape	Conical base
Complies with requirement	Sealed at 0.6 bar/10 min

- Blue graduated scale for ideal volume reading
- Resilient text field allows clear labelling
- Certified free of DNA, DNase, RNase, PCR inhibitors, pyrogens and non-cytotoxic
- Especially leak tight as per the ADR transport directive

Length	Ø	Sterile	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
120 mm	17 mm	Yes	■	1 / 100 / 500		62.553.020
120 mm	17 mm	Yes	■	50 / 50 / 500		62.553.542
120 mm	17 mm	Yes	■	50 / 50 / 500		62.553.042
120 mm	17 mm	No	■	50 / 50 / 500		62.553.041



PP centrifuge tubes with conical base: 10 and 30 ml

Material	PP
Base shape	Conical base

- Polypropylene (PP) tubes for thermal, mechanical and chemical applications
- Especially secure cap
- Ribbed cap for maximum grip

Volume	Length	Ø	Graduations	Purity	Cap colour	Cap	Complies with requirement	Packaging (SP/IB/OC)	SP	Order no.
10 ml	100 mm	16 mm	Yes	Sterile	■	Assembled	IATA	100 / 100 / 1,000		62.9924.284
10 ml	100 mm	16 mm	Yes	–	☒	Enclosed	IATA	100 / 500 / 1,000		62.9924.283
30 ml	107 mm	25 mm	No	Sterile	☒	Assembled	ADR	50 / 50 / 500		60.545
30 ml	107 mm	25 mm	No	–	☒	Enclosed	ADR	250 / 250 / 500		60.544



PP screw cap tubes with skirted conical base: 3.5 - 30 ml

Material

PP

Base shape

Skirted conical base

- Tube with skirted base ensures that it stands securely
- Polypropylene (PP) tubes for thermal, mechanical and chemical applications
- Especially secure cap

Volume	Length	Ø	Graduations	Purity	Cap colour	Cap	Label/print	Packaging (SP/IB/OC)	SP	Order no.
3.5 ml	66 mm	11.5 mm	No	Sterile	☒	Assembled	–	100 / 100 / 1,000		60.549.001
3.5 ml	66 mm	11.5 mm	No	–	☒	Enclosed	–	1,000 / 1,000 / 2,000		60.549
5 ml	57 mm	15.3 mm	Yes	Sterile	☒	Assembled	With print	100 / 100 / 1,000		62.558.201
5 ml	57 mm	15.3 mm	No	Sterile	☒	Assembled	–	100 / 100 / 1,000		60.558.001
5 ml	57 mm	15.3 mm	No	–	☒	Enclosed	–	1,000 / 1,000 / 1,000		60.558
15 ml	76 mm	20 mm	No	Sterile	☒	Assembled	–	100 / 100 / 500		60.732.001
15 ml	76 mm	20 mm	Yes	–	☒	Enclosed	With print	100 / 100 / 500		62.732.519
15 ml	76 mm	20 mm	No	–	☒	Enclosed	–	100 / 100 / 500		60.732
25 ml	90 mm	25 mm	Yes	Sterile	■	Assembled	With paper label	1 / 1 / 300		63.9922.248
25 ml	90 mm	25 mm	Yes	Sterile	■	Assembled	With paper label	500/500/500		63.9922.254
25 ml	90 mm	25 mm	No	Sterile	■	Assembled	–	500/500/500		60.9922.243
25 ml	90 mm	25 mm	Yes	–	□	Assembled	With paper label	500/500/500		63.9922.252
25 ml	90 mm	25 mm	No	–	□	Assembled	–	500/500/500		60.9922.241
30 ml	107 mm	25 mm	Yes	Sterile	☒	Assembled	With print	50 / 50 / 400		62.543.001
30 ml	107 mm	25 mm	Yes	–	☒	Assembled	With print	125 / 125 / 500		62.543



PS screw cap tubes with skirted conical base: 10 ml

Material	PS
Graduations	No
Base shape	Skirted conical base
Complies with requirement	ADR

- Tube with skirted base ensures that it stands securely
- Polystyrene (PS) tubes for maximum transparency
- Especially secure cap

Volume	Length	Ø	Purity	Cap colour	Cap	Packaging (SP/IB/OC)	SP	Order no.
10 ml	97 mm	16 mm	Sterile	■	Assembled	100 / 100 / 1,000		60.9921.829
10 ml	97 mm	16 mm	–	■	Assembled	100 / 100 / 1,000		60.9921.830
10 ml	97 mm	16 mm	–	☒	Enclosed	500 / 500 / 1,000		60.9921.821



PP centrifuge tubes with conical base: 4.5 - 12 ml

Material	PP
Base shape	Conical base

- Polypropylene (PP) tubes for thermal, mechanical and chemical applications
- Different push caps for a variety of applications
- Optional graduated scale for ideal volume reading

Volume	Length	Ø	Graduations	Packaging (SP/IB/OC)	SP	Order no.
4.5 ml	75 mm	12 mm	No	1,000 / 1,000 / 4,000		57.512
10 ml	100 mm	16 mm	Yes	100 / 100 / 1,000		62.9924.272
12 ml	110 mm	17 mm	No	500 / 500 / 1,000		57.527



PS centrifuge tubes with conical base: 4.5 and 12 ml

Material PS
Base shape Conical base

- Amount of packaging reduced by 40% (if StackPack option is used)
- Polystyrene (PS) tubes for maximum transparency
- Different push caps for a variety of applications

Volume	Length	Ø	Graduations	Purity	Packaging (SP/IB/OC)	SP	Order no.
4.5 ml	75 mm	12 mm	No	–	500 / 500 / 2,000		57.477
12 ml	110 mm	17 mm	Yes	Sterile	100 / 100 / 500		57.462.001
12 ml	110 mm	17 mm	Yes	–	500 / 500 / 1,000		57.462
12 ml	110 mm	17 mm	Yes	–	250 / 250 / 1,000		57.462.015

Sample handling



Tubes 75 x Ø 13 mm with false bottom: 2.5 ml

Volume 2.5 ml
Material PP
Graduations Yes
Base shape Conical false bottom, rounded tube bottom

- Conical false bottom especially suitable for small volumes and direct adaptation in analysers
- Meets IATA requirements for sample shipping
- Suitable for deep freezing
- Rounded base for easily loading the sample carrier
- Can be delivered in a bag or compact StackPack

Length	Ø	Cap	Colour	Packaging (SP/IB/OC)	SP	Order no.
75 mm	13 mm	Without	<input checked="" type="checkbox"/>	1,000 / 1,000 / 2,000		60.614.010
75 mm	13 mm	Assembled	<input checked="" type="checkbox"/>	100 / 100 / 1,000		60.614.011
75 mm	13 mm	Without	<input checked="" type="checkbox"/>	500 / 500 / 2,000		60.614.015



Tubes 92 x Ø 13 mm with false bottom: 3.5 ml

Volume 3.5 ml
Material PP

- Conical false bottom especially suitable for small volumes and direct adaptation in analysers
- Meets IATA requirements for sample shipping
- Suitable for deep freezing
- Rounded base for easily loading the sample carrier

Length	Ø	Cap	Graduations	Base shape	Colour	Packaging (SP/IB/OC)	SP	Order no.
92 mm	13 mm	Without	No	Conical false bottom, rounded tube bottom	☒	100 / 100 / 1,000		60.617.010
92 mm	13 mm	Assembled	Yes	Conical false bottom, rounded tube bottom	☒	100 / 100 / 1,000		62.617
92 mm	13 mm	Without	No	Conical false bottom, flat tube bottom	☒	100 / 100 / 1,000		60.613.010
92 mm	13 mm	Assembled	Yes	Conical false bottom, flat tube bottom	☒	100 / 100 / 1,000		62.613



Tubes 92 x Ø 15.3 mm with false bottom: 5 ml

Volume 5 ml
Material PP

- Conical false bottom especially suitable for small volumes and direct adaptation in analysers
- Meets IATA requirements for sample shipping
- Suitable for deep freezing
- Rounded base for easily loading the sample carrier

Length	Ø	Cap	Graduations	Base shape	Colour	Packaging (SP/IB/OC)	SP	Order no.
92 mm	15.3 mm	Without	No	Conical false bottom, rounded tube bottom	☒	100 / 100 / 1,000		60.612.010
92 mm	15.3 mm	Assembled	Yes	Conical false bottom, rounded tube bottom	☒	100 / 100 / 1,000		62.612
92 mm	15.3 mm	Without	No	Conical false bottom, flat tube bottom	■	100 / 100 / 1,000		60.611.011
92 mm	15.3 mm	Without	No	Conical false bottom, flat tube bottom	☒	100 / 100 / 1,000		60.611.010
92 mm	15.3 mm	Assembled	Yes	Conical false bottom, flat tube bottom	☒	100 / 100 / 1,000		62.611

PP screw cap tubes with flat base: 5 - 120 ml



Material PP
Base shape Flat base

- Flat base ensures that it stands securely
- Polypropylene (PP) tubes for thermal, mechanical and chemical applications
- Ribbed cap for maximum grip

Volume	Length	Ø	Graduations	Purity	Cap colour	Cap	Label/print	Packaging (SP/IB/OC)	SP	Order no.
5 ml	57 mm	16.5 mm	Yes	–	☒	Enclosed	With paper label	1,000 / 1,000 / 1,000		63.542.709
7 ml	82 mm	13 mm	No	–	☒	Enclosed	–	1,000 / 1,000 / 1,000		60.550.050
8 ml	57 mm	16.5 mm	No	Sterile	☒	Assembled	–	100 / 100 / 1,000		60.542.024
8 ml	57 mm	16.5 mm	No	–	☒	Enclosed	–	1,000 / 1,000 / 1,000		60.542
8 ml	57 mm	16.5 mm	No	–	☒	Enclosed	–	1,000 / 1,000 / 1,000		60.542.007
30 ml	84 mm	30 mm	Yes	Sterile	☒	Assembled	With print	50 / 50 / 450		62.555.001
40 ml	84 mm	30 mm	Yes	–	☒	Enclosed	With print	50 / 50 / 450		62.555
60 ml	126 mm	30 mm	No	Sterile	☒	Assembled	–	25 / 25 / 250		60.596.001
60 ml	126 mm	30 mm	No	–	☒	Enclosed	–	50 / 50 / 250		60.596
120 ml	114 mm	44 mm	No	Sterile	☒	Assembled	–	25 / 25 / 100		60.597.001
120 ml	114 mm	44 mm	No	–	☒	Enclosed	–	50 / 50 / 250		60.597

Sample handling



PS screw cap tubes with flat base: 25 ml

Material PS
Graduations No
Base shape Flat base
Complies with requirement ADR

- Flat base ensures that it stands securely
- Polystyrene (PS) tubes for maximum transparency
- O-ring cap increases cap security for fluctuations in temperature

Volume	Length	Ø	Purity	Cap colour	Cap	Packaging (SP/IB/OC)	SP	Order no.
25 ml	54 mm	27 mm	Sterile	■	Assembled	50 / 50 / 500		60.9922.115
25 ml	54 mm	27 mm	–	☒	Enclosed	250 / 250 / 500		60.9922.113

PC screw cap tubes with flat base: 7 and 30 ml



Material	PC
Graduations	No
Cap	Enclosed
Base shape	Flat base

- High temperature resistance up to 138 °C
- Tubes and cap autoclavable
- Particularly suitable for deep-freeze storage down to -80 °C
- PP screw cap

Volume	Length	Ø	Cap colour	Complies with requirement	Packaging (SP/IB/OC)	SP	Order no.
7 ml	47 mm	20 mm	☒	IATA	500 / 500 / 1,000		71.9923.610
30 ml	80 mm	27 mm	☒	ADR	250 / 250 / 500		60.9922.212

PP tubes with flat base: 7 - 35 ml



Material	PP
Graduations	No
Base shape	Flat base

- Polypropylene (PP) tubes for thermal, mechanical and chemical applications
- Tube with flat base ensures that it stands securely
- Different push caps for a variety of applications

Volume	Length	Ø	Packaging (SP/IB/OC)	SP	Order no.
7 ml	50 mm	16 mm	1,000 / 1,000 / 2,000		58.536
12 ml	95 mm	16.5 mm	500 / 500 / 1,000		58.505
23 ml	75 mm	23.5 mm	500 / 500 / 1,000		58.631
35 ml	115 mm	23.5 mm	500 / 500 / 500		58.537



PS tubes with flat base: 7 - 23 ml

Material PS
Base shape Flat base

- Polystyrene (PS) tubes for maximum transparency
- Tubes with graduations: Resilient text field allows clear labelling
- Clear graduated scale to read the volume:

Volume	Length	∅	Graduations	Packaging (SP/IB/OC)	SP	Order no.
7 ml	50 mm	16 mm	Yes	1,000 / 1,000 / 2,000		62.486
7 ml	50 mm	16 mm	No	1,000 / 1,000 / 2,000		58.485
12 ml	95 mm	16.5 mm	Yes	500 / 500 / 1,000		62.470
12 ml	95 mm	16.5 mm	No	500 / 500 / 1,000		58.491
12 ml	40 mm	23.5 mm	No	500 / 500 / 2,000		58.487
21 ml	65 mm	23.5 mm	No	500 / 500 / 1,000		58.489
23 ml	75 mm	23.5 mm	No	500 / 500 / 1,000		58.490

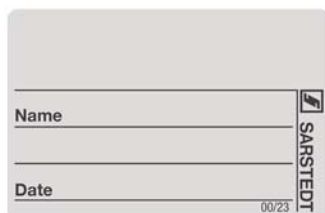


PS tubes with flat base, push cap: 7 ml

Material PS
Graduations No
Purity Sterile
Base shape Flat base
Complies with requirement Sealed at 0.6 bar/10 min

- Polystyrene (PS) tubes for maximum transparency
- Ribbed cap for maximum grip
- Tube with flat base ensures that it stands securely

Volume	Length	∅	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
7 ml	50 mm	16 mm		100 / 100 / 1,000		58.485.001



Adhesive paper labels for tubes

Dimensions (L x W) 40 x 26 mm

- Made of eco-friendly pharmaceutical paper
- Very good adhesion to grease-free plastic surfaces
- Printed text field for "Name" and "Date"
- Wound onto a roll for easier use with a label dispenser

Label/print colour	Packaging (SP/IB/OC)	SP	Order no.
	5,000 / 5,000 / 30,000		84.1556.010



Push caps (standard)

Material

LD-PE

- Large grip for optimal handling
- Quick opening and closing of tubes
- Ribbed surface for maximum grip
- Excellent sealing properties
- Different cap colours for better coding

Suitable for	Colour	Packaging (SP/IB/OC)	SP	Order no.
Tubes Ø 10 and 11 mm	☒	1,000 / 1,000 / 10,000		65.782
Tubes Ø 11.5 and 12 mm	☒	1,000 / 1,000 / 10,000		65.809
Tubes Ø 11.5 and 12 mm	■	1,000 / 1,000 / 10,000		65.809.003
Tubes Ø 11.5 and 12 mm	■	1,000 / 1,000 / 10,000		65.809.499
Tubes Ø 11.5 and 12 mm	■	1,000 / 1,000 / 10,000		65.809.500
Tubes Ø 11.5 and 12 mm	■	1,000 / 1,000 / 10,000		65.809.501
Tubes Ø 11.5 and 12 mm	■	1,000 / 1,000 / 10,000		65.809.502
Tubes Ø 11.5 and 12 mm	■	1,000 / 1,000 / 10,000		65.809.503
Tubes Ø 11.5 and 12 mm	□	1,000 / 1,000 / 10,000		65.809.505
Tubes Ø 13 mm	☒	1,000 / 1,000 / 10,000		65.806
Tubes Ø 13 mm	■	1,000 / 1,000 / 10,000		65.806.506
Tubes Ø 13 mm	■	1,000 / 1,000 / 10,000		65.806.507
Tubes Ø 13 mm	■	1,000 / 1,000 / 10,000		65.806.508
Tubes Ø 13 mm	■	1,000 / 1,000 / 10,000		65.806.510
Tubes Ø 13 mm	■	1,000 / 1,000 / 10,000		65.806.511
Tubes Ø 13 mm	□	1,000 / 1,000 / 10,000		65.806.512
Tubes Ø 21.5 mm	☒	1,000 / 1,000 / 5,000		65.529
Tubes Ø 23.5 mm	☒	1,000 / 1,000 / 2,000		65.790
Tubes Ø 24.8 mm	☒	1,000 / 1,000 / 2,000		65.791



Push cap

Material

LD-PE

- Large grip for optimal handling
- Quick opening and closing of tubes
- Ribbed surface for maximum grip
- Excellent sealing properties
- Different cap colours for better coding

Suitable for	Colour	Packaging (SP/IB/OC)	SP	Order no.
Tubes Ø 14 mm	☒	1,000/1,000/5,000		65.804
Tubes Ø 15.7 mm & cuvette 67.743	☒	1,000/1,000/5,000		65.803
Tubes Ø 15.7 mm	■	1,000/1,000/5,000		65.803.002
Tubes Ø 15.7 mm	■	1,000/1,000/5,000		65.803.005
Tubes Ø 15.7 mm	■	1,000/1,000/5,000		65.803.512
Tubes Ø 15.7 mm	■	1,000/1,000/5,000		65.803.932
Tubes Ø 15.5, 16, 16.5, 16.8 and 17 mm & cuvette 67.749	☒	1,000/1,000/5,000		65.793
Tubes Ø 15.5, 16, 16.5, 16.8 and 17 mm	■	1,000/1,000/5,000		65.793.513
Tubes Ø 15.5, 16, 16.5, 16.8 and 17 mm	■	1,000/1,000/5,000		65.793.514
Tubes Ø 15.5, 16, 16.5, 16.8 and 17 mm	■	1,000/1,000/5,000		65.793.515
Tubes Ø 15.5, 16, 16.5, 16.8 and 17 mm	□	1,000/1,000/5,000		65.793.517
Tubes Ø 15.5, 16, 16.5, 16.8 and 17 mm	■	1,000/1,000/5,000		65.793.518
Tubes Ø 15.5, 16, 16.5, 16.8 and 17 mm	■	1,000/1,000/5,000		65.793.520

Sample handling

Push cap (flat)



Material Feature

LD-PE
Flat

- Large grip for optimal handling
- Quick opening and closing of tubes
- Ribbed surface for maximum grip
- Excellent sealing properties

Suitable for	Colour	Packaging (SP/IB/OC)	SP	Order no.
Tubes Ø 13 mm	☒	1,000 / 1,000 / 10,000		65.818
Tubes Ø 14 mm	☒	500 / 500 / 10,000		65.804.001
Tubes Ø 15.7 mm	☒	500 / 500 / 10,000		65.802
Tubes Ø 15.5, 16, 16.5, 16.8 and 17 mm	☒	1,000 / 1,000 / 10,000		65.816



Skirted push cap

- Protruding skirt prevents contamination
- Ribbed surface for maximum grip
- Excellent sealing properties

Suitable for	Material	Colour	Packaging (SP/IB/OC)	SP	Order no.
Tubes Ø 11.5 and 12 mm	LD-PE	☒	1,000/1,000/5,000		65.719
Tubes Ø 13 mm	LD-PE	☒	1,000 / 1,000 / 10,000		65.724
Tubes Ø 15.7 mm	HD-PE	☒	1,000/1,000/5,000		65.727
Tubes Ø 15.5, 16, 16.5, 16.8 and 17 mm	HD-PE	☒	1,000 / 1,000 / 2,000		65.720



Ventilation cap

Material

LD-PE

- 2-position fit allows both gas exchange and sealing
- Excellent sealing properties
- Ribbed surface for maximum grip

Suitable for	Colour	Packaging (SP/IB/OC)	SP	Order no.
Tubes Ø 12 mm	☒	100 / 100 / 5,000		65.722
Tubes Ø 16 mm	☒	100 / 100 / 5,000		65.725



Push caps (evaporation)

Material

PE

- Prevents unwanted evaporation of sample material
- Prevents foreign particles from entering the sample material
- Ribbed surface for maximum grip

Suitable for	Colour	Packaging (SP/IB/OC)	SP	Order no.
S-Monovette® Ø 15 mm	☒	1,000/1,000/5,000		65.648



Archiving cap for tubes and S-Monovette®

Suitable for S-Monovette®, tubes Ø 13-16 mm

- Protection from evaporation and contamination
- Suitable for automation (decapping, recapping)
- Available with or without filter
- The variant with the filter seals on contact with liquid to prevent leakage of the liquid through the ventilation opening

Material	Colour	Filter	Packaging (SP/IB/OC)	SP	Order no.
PP	■	No	1,000 / 1,000 / 5,000		65.647
PP	■	Yes	1,000 / 1,000 / 5,000		65.647.020



Multi Fit caps for S-Monovette® and tubes

Material LD-PE

- Can be flexibly used for Ø 12-17 mm and for S-Monovette® Ø 13 mm
- Excellent sealing properties
- Different cap colours for better coding

Suitable for	Colour	Packaging (SP/IB/OC)	SP	Order no.
Tubes Ø 12-17 mm	<input checked="" type="checkbox"/>	1,000 / 1,000 / 10,000		65.1379
Tubes Ø 12-17 mm	■	1,000 / 1,000 / 10,000		65.1379.002
Tubes Ø 12-17 mm	■	1,000 / 1,000 / 10,000		65.1379.004
Tubes Ø 12-17 mm	■	1,000 / 1,000 / 10,000		65.1379.006

Screw caps



Material HD-PE

- Made of high-quality polyethylene (HD-PE)
- Especially secure cap
- Ribbed surface for maximum grip

Suitable for	Colour	Packaging (SP/IB/OC)	SP	Order no.
Tubes Ø 11.5 mm	<input checked="" type="checkbox"/>	1,000 / 1,000 / 5,000		65.1121
Tubes Ø 15.3 mm	<input checked="" type="checkbox"/>	1,000 / 1,000 / 5,000		65.729
Tubes Ø 16-16.5 mm	<input checked="" type="checkbox"/>	1,000 / 1,000 / 5,000		65.176



Screw cap, HD-PE

Suitable for Tubes 75 x 13 mm
Material HD-PE

- Tightly fitting screw cap for tubes 75 x 13 mm
- Meets IATA requirements for sample shipping
- Tall shape for better handling

Colour	Packaging (SP/IB/OC)	SP	Order no.
☒	1,000/1,000/5,000		65.163



Recapping screw cap for tubes 75 x Ø 13 mm with false bottom

Suitable for Tubes 75 x 13 mm
Material HD-PE

- Tightly fitting screw cap for tube with false bottom 75 x 13 mm
- Meets IATA requirements for sample shipping
- Flat shape for better archiving or use in laboratory automation

Colour	Packaging (SP/IB/OC)	SP	Order no.
■	1,000/1,000/5,000		65.643



Screw caps for tubes 92 x Ø 13 mm with false bottom

Suitable for Tubes and S-Monovette® Ø 13 mm
Material HD-PE

- Made of high-quality polyethylene (HD-PE)
- Especially secure cap
- Ribbed surface for maximum grip

Colour	Packaging (SP/IB/OC)	SP	Order no.
☒	1,000/1,000/5,000		65.728



Recapping screw cap for tubes 92 x Ø 15.3 mm with false bottom

Suitable for Tubes Ø 15.3 mm
Material HD-PE

- Tightly fitting screw cap for tube with false bottom 92x15 mm
- Meets IATA requirements for sample shipping
- Flat shape for better archiving or use in laboratory automation

Colour	Packaging (SP/IB/OC)	SP	Order no.
■	1,000/1,000/5,000		65.645



Screw cap with O-ring seal

Suitable for Tubes Ø 16.5 mm
Material PP

- Made of high-quality polypropylene (PP)
- Especially secure cap for fluctuations in temperature
- Ribbed surface for maximum grip

Colour	Packaging (SP/IB/OC)	SP	Order no.
☒	1,000/1,000/5,000		65.714



Low binding screw cap micro tubes: 1.5 and 2 ml

Closure type	Standard screw cap
Cap	Assembled
Material	PP
Knurling	Yes
Base shape	Skirted conical base
Label/print	With print

- Reduced binding properties for higher recovery rates
- PCR Performance Tested certified
- Special knurling allows caps to be opened and closed in special racks with one hand
- Stable skirted base ensures that it stands securely
- Centrifugation up to 20,000 x g

Purity	Colour	Volume	Surface quality	Packaging (SP/IB/OC)	SP	Order no.
	☒	1.5 ml	Low protein-binding	100 / 500 / 1,000		72.703.600
	☒	1.5 ml	Low DNA-binding	100 / 500 / 1,000		72.703.700
	☒	2 ml	Low protein-binding	100 / 500 / 1,000		72.694.600
	☒	2 ml	Low DNA-binding	100 / 500 / 1,000		72.694.700



Screw cap micro tubes, with skirted base and knurling: 0.5 ml

Volume	0.5 ml
Material	PP
Knurling	Yes
Base shape	Skirted conical base

- 4 purity grades to meet all requirements
- Special knurling allows caps to be opened and closed in special racks with one hand
- Centrifugation up to 20,000 x g
- Can be autoclaved at 121 °C
- O-ring cap increases cap security (IATA tested)

Purity	Colour	Closure type	Cap	Label/print	Packaging (SP/IB/OC)	SP	Order no.
	☒	Retaining loop cap	Attached	With print	25 / 250 / 500		72.730.217
	☒	Standard screw cap	Assembled	With print	100 / 500 / 1,000		72.730.406
	☒	Retaining loop cap	Attached assembled	With print	100 / 500 / 1,000		72.730.416
Sterile	☒	–	Without	–	500 / 500 / 2,500		72.730.711
Sterile	☒	Standard screw cap	Assembled	–	100 / 100 / 1,000		72.730.005
Sterile	☒	Standard screw cap	Assembled	With print	100 / 100 / 1,000		72.730.006
Sterile	☒	Retaining loop cap	Attached assembled	–	100 / 100 / 1,000		72.730.105
Sterile	☒	Retaining loop cap	Attached assembled	With print	100 / 100 / 1,000		72.730.106
–	☒	–	Without	–	500 / 500 / 5,000		72.730.003
–	■	–	Without	–	500 / 500 / 5,000		72.730.004
–	☒	–	Without	With print	250 / 250 / 5,000		72.730.009
–	☒	Standard screw cap	Enclosed	–	500 / 500 / 5,000		72.730
–	☒	Standard screw cap	Enclosed	With print	250 / 250 / 5,000		72.730.007
–	☒	Retaining loop cap	Attached	–	500 / 500 / 5,000		72.730.100
–	☒	Retaining loop cap	Attached	With print	500 / 500 / 5,000		72.730.107



Screw cap micro tubes, conical, with knurling: 0.5 ml

Volume	0.5 ml
Material	PP
Knurling	Yes
Base shape	Conical base

- Special knurling allows caps to be opened and closed in special racks with one hand
- Centrifugation up to 20,000 x g
- Can be autoclaved at 121 °C
- O-ring cap increases cap security (ATA tested)

Colour	Closure type	Cap	Packaging (SP/IB/OC)	SP	Order no.
<input checked="" type="checkbox"/>	–	Without	500 / 500 / 5,000		72.733.010
<input checked="" type="checkbox"/>	Standard screw cap	Enclosed	500 / 500 / 5,000		72.733.001



Screw cap micro tubes, with skirted base, without knurling: 0.5 ml

Volume	0.5 ml
Material	PP
Knurling	No
Base shape	Skirted conical base

- Without knurling for more labelling space
- Centrifugation up to 20,000 x g
- Can be autoclaved at 121 °C
- O-ring cap increases cap security (ATA tested)

Purity	Colour	Closure type	Cap	Packaging (SP/IB/OC)	SP	Order no.
Sterile	<input checked="" type="checkbox"/>	Standard screw cap	Assembled	100 / 100 / 1,000		72.785.005
–	<input checked="" type="checkbox"/>	–	Without	500 / 500 / 5,000		72.785



Screw cap micro tubes, with skirted base and knurling: 1.5 ml

Volume	1.5 ml
Material	PP
Knurling	Yes
Base shape	Skirted conical base

- 4 purity grades to meet all requirements
- Special knurling allows caps to be opened and closed in special racks with one hand
- Centrifugation up to 20,000 x g
- Can be autoclaved at 121 °C
- O-ring cap increases cap security (IATA tested)

Purity	Colour	Closure type	Cap	Label/print	Packaging (SP/IB/OC)	SP	Order no.
	<input checked="" type="checkbox"/>	Retaining loop cap	Attached	With print	25 / 250 / 500		72.703.217
	<input checked="" type="checkbox"/>	Standard screw cap	Assembled	With print	100 / 500 / 1,000		72.703.406
	<input checked="" type="checkbox"/>	Retaining loop cap	Attached assembled	With print	100 / 500 / 1,000		72.703.416
–	<input checked="" type="checkbox"/>	–	Without	–	500 / 500 / 5,000		72.703
–	<input checked="" type="checkbox"/>	–	Without	–	500 / 500 / 5,000		72.703.004

Sample handling



Screw cap micro tubes, conical, with knurling: 1.5 ml

Volume	1.5 ml
Material	PP
Knurling	Yes
Base shape	Conical base

- 4 purity grades to meet all requirements
- Special knurling allows caps to be opened and closed in special racks with one hand
- Centrifugation up to 20,000 x g
- Can be autoclaved at 121 °C
- O-ring cap increases cap security (IATA tested)

Purity	Colour	Closure type	Cap	Packaging (SP/IB/OC)	SP	Order no.
	<input checked="" type="checkbox"/>	Retaining loop cap	Attached	25 / 250 / 500		72.692.210
	<input checked="" type="checkbox"/>	Standard screw cap	Assembled	100 / 500 / 1,000		72.692.405
	<input checked="" type="checkbox"/>	Retaining loop cap	Attached assembled	100 / 500 / 1,000		72.692.415
Sterile	<input checked="" type="checkbox"/>	–	Without	500 / 500 / 2,500		72.607.772
Sterile	<input checked="" type="checkbox"/>	Standard screw cap	Assembled	100 / 100 / 1,000		72.692.005
Sterile	<input checked="" type="checkbox"/>	Retaining loop cap	Attached assembled	100 / 100 / 1,000		72.692.105
–	<input checked="" type="checkbox"/>	–	Without	500 / 500 / 5,000		72.607
–	<input checked="" type="checkbox"/>	Standard screw cap	Enclosed	500 / 500 / 5,000		72.692
–	<input checked="" type="checkbox"/>	Retaining loop cap	Attached	500 / 500 / 5,000		72.692.100



Screw cap micro tube, conical, without knurling: 1.5 ml

Volume	1.5 ml
Material	PP
Knurling	No
Base shape	Conical base

- Without knurling for more labelling space
- Centrifugation up to 20,000 x g
- Can be autoclaved at 121 °C
- O-ring cap increases cap security (IATA tested)

Colour	Cap	Packaging (SP/IB/OC)	SP	Order no.
☒	Without	500 / 500 / 5,000		72.687



Screw cap micro tubes, with skirted base and knurling: 2 ml

Volume	2 ml
Material	PP
Knurling	Yes
Base shape	Skirted conical base

- 4 purity grades to meet all requirements
- Special knurling allows caps to be opened and closed in special racks with one hand
- Centrifugation up to 20,000 x g
- Can be autoclaved at 121 °C
- O-ring cap increases cap security (IATA tested)








Purity	Colour	Closure type	Cap	Label/print	Packaging (SP/IB/OC)	SP	Order no.
	☒	Retaining loop cap	Attached	With print	25 / 250 / 500		72.694.217
	☒	Standard screw cap	Assembled	With print	100 / 500 / 1,000		72.694.406
	☒	Retaining loop cap	Attached assembled	With print	100 / 500 / 1,000		72.694.416
Sterile	☒	–	Without	–	500 / 500 / 2,500		72.609.711
Sterile	☒	Standard screw cap	Assembled	–	100 / 100 / 1,000		72.694.005
Sterile	☒	Standard screw cap	Assembled	With print	100 / 100 / 1,000		72.694.006
Sterile	☒	Standard screw cap	Assembled	With print	100 / 100 / 1,000		72.694.996
Sterile	☒	Retaining loop cap	Attached assembled	–	100 / 100 / 1,000		72.694.105
Sterile	☒	Retaining loop cap	Attached assembled	With print	100 / 100 / 1,000		72.694.106
–	☒	–	Without	–	500 / 500 / 5,000		72.609
–	■	–	Without	–	500 / 500 / 5,000		72.609.003
–	☒	Standard screw cap	Enclosed	–	500 / 500 / 5,000		72.694
–	☒	Standard screw cap	Enclosed	With print	250 / 250 / 5,000		72.694.007
–	☒	Retaining loop cap	Attached	–	500 / 500 / 5,000		72.694.100
–	☒	Retaining loop cap	Attached	With print	500 / 500 / 5,000		72.694.107



Screw cap micro tubes, conical, with knurling: 2 ml

Volume	2 ml
Material	PP
Knurling	Yes
Base shape	Conical base

- Special knurling allows caps to be opened and closed in special racks with one hand
- Centrifugation up to 20,000 x g
- Can be autoclaved at 121 °C
- O-ring cap increases cap security (IATA tested)

Purity	Colour	Closure type	Cap	Packaging (SP/IB/OC)	SP	Order no.
	<input checked="" type="checkbox"/>	Standard screw cap	Assembled	100 / 500 / 1,000		72.693.465
Sterile	<input checked="" type="checkbox"/>	Standard screw cap	Assembled	100 / 100 / 1,000		72.693.005
Sterile	<input checked="" type="checkbox"/>	Retaining loop cap	Attached assembled	100 / 100 / 1,000		72.693.105
–	<input checked="" type="checkbox"/>	–	Without	500 / 500 / 5,000		72.608
–	<input checked="" type="checkbox"/>	Standard screw cap	Enclosed	500 / 500 / 5,000		72.693
–	<input checked="" type="checkbox"/>	Retaining loop cap	Attached	500 / 500 / 5,000		72.693.100



Sample handling



Screw cap micro tubes, with skirted base, without knurling: 2 ml

Volume	2 ml
Material	PP
Knurling	No
Base shape	Skirted conical base

- Without knurling for more labelling space
- Centrifugation up to 20,000 x g
- Can be autoclaved at 121 °C
- O-ring cap increases cap security (IATA tested)

Purity	Colour	Cap	Packaging (SP/IB/OC)	SP	Order no.
Sterile	<input checked="" type="checkbox"/>	Without	500 / 500 / 2,500		72.664.711
–	<input checked="" type="checkbox"/>	Without	500 / 500 / 5,000		72.664



Screw cap micro tubes for reducing volumes: 0.5 ml

Volume	0.5 ml
Material	PP
Knurling	Yes
Base shape	Conical base

- Secure storage of particularly small volumes
- Maximum recovery rate with minimal liquid
- Special knurling allows caps to be opened and closed in special racks with one hand
- Centrifugation up to 20,000 x g

Colour	Cap	Packaging (SP/IB/OC)	SP	Order no.
☒	Without	500 / 500 / 5,000		72.733.201



Cap with volume limitation

Suitable for	Screw cap micro tube 72.733.201
Material	PP
Feature	For volume limitation to 100 µl

- For the safe storage of even the smallest volumes
- Ensures maximum recovery rates of the sample material
- Ribbed surface for maximum grip

Colour	Packaging (SP/IB/OC)	SP	Order no.
☒	500 / 500 / 5,000		65.710

Screw caps for screw cap micro tubes



**Suitable for
Material**

**Screw cap micro tubes
PP**

- O-ring cap increases cap security (IATA tested)
- Different cap colours for better coding
- Sterile double bag packaging prevents contamination
- Ribbed surface for maximum grip
- Can be used on all SARSTEDT screw cap micro tubes

Colour	Purity	Packaging (SP/IB/OC)	SP	Order no.
■	Sterile	500 / 500 / 5,000		65.716.720
■	Sterile	500 / 500 / 5,000		65.716.721
■	Sterile	500 / 500 / 5,000		65.716.723
☒	Sterile	500 / 500 / 5,000		65.716.725
■	Sterile	500 / 500 / 5,000		65.716.726
■	Sterile	500 / 500 / 5,000		65.716.727
■	Sterile	500 / 500 / 5,000		65.716.728
■	Sterile	500 / 500 / 5,000		65.716.729
■	Sterile	500 / 500 / 5,000		65.716.755
□	Sterile	500 / 500 / 5,000		65.716.757
☒	–	500 / 500 / 10,000		65.716
■	–	500 / 500 / 10,000		65.716.001
■	–	500 / 500 / 10,000		65.716.002
■	–	500 / 500 / 10,000		65.716.003
■	–	500 / 500 / 10,000		65.716.004
■	–	500 / 500 / 10,000		65.716.005
■	–	500 / 500 / 10,000		65.716.006
■	–	500 / 500 / 10,000		65.716.007
■	–	500 / 500 / 10,000		65.716.008
■	–	500 / 500 / 10,000		65.716.009
□	–	500 / 500 / 10,000		65.716.022
■/■/■/■/■/■/■/■/☒	–	100 / 10,000 / 10,000		65.716.999

Sample handling

Screw cap with retaining loop



Suitable for
Material

Screw cap micro tubes
PP

- Attached cap ensures reliable assignment to the container
- Colour-coded inserts allow the sample to be identified quickly
- O-ring cap increases cap security (IATA tested)
- Ribbed surface for maximum grip
- Can be used on all SARSTEDT screw cap micro tubes

Colour	Packaging (SP/IB/OC)	SP	Order no.
☒	500 / 500 / 5,000		65.712

Membrane screw cap



Suitable for
Material
Feature

Screw cap micro tubes
PP
For automated filling of screw cap micro tubes and direct adaptation to analysers

- Pierceable lid due to integrated membrane
- Ideal for automated filling and direct adaptation to analysers
- Can be used on all SARSTEDT screw cap micro tubes
- Ribbed surface for maximum grip

Colour	Packaging (SP/IB/OC)	SP	Order no.
☒	500 / 500 / 2,000		65.3716

Colour-coded inserts



Suitable for
Material

Screw caps 65.712.xxx
PP

- Different colours for better coding
- Quick and flexible coding and identification
- Easy to push in

Colour	Packaging (SP/IB/OC)	SP	Order no.
☒	500 / 500 / 5,000		65.713
■	500 / 500 / 5,000		65.713.002
■	500 / 500 / 5,000		65.713.004
■	500 / 500 / 5,000		65.713.005
■	500 / 500 / 5,000		65.713.006
■	500 / 500 / 5,000		65.713.007
□	500 / 500 / 5,000		65.713.009
■	500 / 500 / 5,000		65.713.010

Rack for screw cap micro tubes



Suitable for
Material

Screw cap micro tubes
PC

- Special racks for SARSTEDT screw cap micro tubes with knurling
- SARSTEDT screw cap micro tubes can be opened with one hand
- Racks made of clear, shatter-proof and durable polycarbonate (PC)
- Easy disassembly with just a few movements
- Can be autoclaved at 121 °C

Dimensions	Format	Colour	Packaging (SP/IB/OC)	SP	Order no.
137 x 70 x 40 mm	6 x 3	☒	1 / 1 / 36		93.894
257 x 62 x 40 mm	10 x 2	☒	1 / 1 / 60		93.848.100
257 x 90 x 40 mm	12 x 4	☒	1 / 1 / 40		93.1428



Low binding reaction tubes: 0.5 - 5 ml

Closure type

SafeSeal cap

Material

PP

Closure material

PP

Cap

Attached

- Reduced binding properties for higher recovery rates
- PCR Performance Tested certified
- Secure seal even under thermal and mechanical stress
- High centrifugation

Volume	Surface quality	Purity	Colour	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
0.5 ml	Low protein-binding		☒	☒	50 / 300 / 1,200		72.704.600
0.5 ml	Low DNA-binding		☒	☒	50 / 300 / 1,200		72.704.700
1.5 ml	Low protein-binding		☒	☒	50 / 200 / 800		72.706.600
1.5 ml	Low DNA-binding		☒	☒	50 / 200 / 800		72.706.700
2 ml	Low protein-binding		☒	☒	50 / 200 / 800		72.695.600
2 ml	Low DNA-binding		☒	☒	50 / 200 / 800		72.695.700
5 ml	Low protein-binding		☒	☒	25 / 50 / 200		72.701.600
5 ml	Low DNA-binding		☒	☒	25 / 50 / 200		72.701.700



SafeSeal reaction tubes: 0.5 ml

Volume	0.5 ml
Closure type	SafeSeal cap
Material	PP
Closure material	PP
Cap	Attached

- 3 purity grades to meet all requirements
- Secure seal even under thermal and mechanical stress
- High centrifugation up to 30,000 x g

Purity	Colour	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
	☒	☒	50 / 250 / 500		72.704.200
	☒	☒	250 / 500 / 2,000		72.704.400
–	☒	☒	500 / 500 / 2,000		72.704
–	■	■	500 / 500 / 2,000		72.704.001
–	■	■	500 / 500 / 2,000		72.704.002
–	■	■	500 / 500 / 2,000		72.704.004
–	■	■	500 / 500 / 2,000		72.704.005
–	■	■	500 / 500 / 2,000		72.704.006



SafeSeal reaction tubes: 1.5 ml

Volume	1.5 ml
Closure type	SafeSeal cap
Material	PP
Closure material	PP
Cap	Attached

- 3 purity grades to meet all requirements
- Secure seal even under thermal and mechanical stress
- High centrifugation up to 30,000 x g

Purity	Colour	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
	☒	☒	50 / 250 / 500		72.706.200
	☒	☒	1 / 60 / 120		72.706.201
	☒	☒	250 / 1,000 / 2,000		72.706.400
–	☒	☒	250 / 1,000 / 2,000		72.706
–	■	■	250 / 1,000 / 2,000		72.706.001
–	■	■	250 / 1,000 / 2,000		72.706.002
–	■	■	250 / 1,000 / 2,000		72.706.004
–	■	■	250 / 1,000 / 2,000		72.706.005
–	■	■	250 / 1,000 / 2,000		72.706.006



SafeSeal reaction tubes: 2 ml

Volume	2 ml
Closure type	SafeSeal cap
Material	PP
Closure material	PP
Cap	Attached

- 3 purity grades to meet all requirements
- Secure seal even under thermal and mechanical stress
- High centrifugation up to 25,000 x g

Purity	Colour	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
	☒	☒	50 / 250 / 500		72.695.200
	☒	☒	1 / 60 / 120		72.695.201
	☒	☒	250 / 1,000 / 2,000		72.695.400
–	■	■	250 / 1,000 / 2,000		72.695.001
–	■	■	250 / 1,000 / 2,000		72.695.002
–	■	■	250 / 1,000 / 2,000		72.695.004
–	■	■	250 / 1,000 / 2,000		72.695.005
–	■	■	250 / 1,000 / 2,000		72.695.006
–	■	■	250 / 1,000 / 2,000		72.695.007
–	☒	☒	250 / 1,000 / 2,000		72.695.500

Sample handling



SafeSeal reaction tubes: 5 ml

Volume	5 ml
Closure type	SafeSeal cap
Material	PP
Closure material	PP
Cap	Attached

- Easy handling of filling quantities between 2 and 5 ml
- Reliable SafeSeal closure
- 3 purity grades to meet all requirements
- High centrifugation up to 20,000 x g

Purity	Colour	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
	☒	☒	25 / 50 / 100		72.701.200
	☒	☒	1 / 25 / 50		72.701.201
	☒	☒	100 / 200 / 800		72.701.400
–	■	■	25 / 50 / 200		72.701.001
–	☒	☒	100 / 200 / 800		72.701.500



Centrifuge adapter for 5 ml reaction tubes

- Suitable for 5 ml SafeSeal reaction tubes
- High centrifugation up to 20,000 x g
- Made of high-quality POM material

Colour	Packaging (SP/IB/OC)	SP	Order no.
□	8 / 8 / 96		95.1298



Reaction tube: 0.5 ml

Volume	0.5 ml
Closure type	Standard cap
Material	PP
Closure material	PP
Cap	Attached

- Easy to open, secure seal when closed
- Larger packaging units for economical storage and stocking
- High centrifugation up to 20,000 x g

Colour	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
☒	☒	1,000/1,000/5,000		72.699
■	■	500 / 500 / 5,000		72.699.001
■	■	500 / 500 / 5,000		72.699.002
■	■	500 / 500 / 5,000		72.699.003
■	■	500 / 500 / 5,000		72.699.004
■	■	500 / 500 / 5,000		72.699.005



Reaction tube: 1.5 ml

Volume	1.5 ml
Closure type	Retaining loop cap
Material	PP
Closure material	PP
Cap	Attached

- Easy to open, secure seal when closed
- Larger packaging units for economical storage and stocking
- High centrifugation up to 20,000 x g

Colour	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
☒	☒	500 / 500 / 5,000		72.690.001
■	■	500 / 500 / 5,000		72.690.004
■	■	500 / 500 / 5,000		72.690.007
■	■	500 / 500 / 5,000		72.690.475
■	■	500 / 500 / 5,000		72.690.476
■	■	500 / 500 / 5,000		72.690.477
■	■	500 / 500 / 5,000		72.690.478



Reaction tube: 2 ml

Volume	2 ml
Closure type	Retaining loop cap
Material	PP
Closure material	PP
Cap	Attached

- Easy to open, secure seal when closed
- Larger packaging units for economical storage and stocking
- High centrifugation up to 20,000 x g

Colour	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
☒	☒	500 / 500 / 5,000		72.691
■	■	500 / 500 / 5,000		72.691.001
■	■	500 / 500 / 5,000		72.691.002
■	■	500 / 500 / 5,000		72.691.004
■	■	500 / 500 / 5,000		72.691.005
■	■	500 / 500 / 5,000		72.691.006
■	■	500 / 500 / 5,000		72.691.007



Reaction tube with EASY CAP: 1.5 ml

Volume	1.5 ml
Closure type	Retaining loop cap
Material	PP
Closure material	PP
Cap	Attached

- Smoother push cap
- Larger packaging units for economical storage and stocking
- High centrifugation up to 20,000 x g

Colour	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
☒	☒	500 / 500 / 5,000		72.690.550



Reaction tube with soft push cap: 1.5 ml

Volume	1.5 ml
Closure type	Retaining loop cap
Material	PP
Closure material	LD-PE
Cap	Attached

- Smooth, soft push caps
- Particularly suitable for frequent opening and closing
- Colour coding ensures better identification
- Larger packaging units for economical storage and stocking
- High centrifugation up to 20,000 x g

Colour	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
☒	☒	500 / 500 / 5,000		72.688
☒		500 / 500 / 5,000		72.688.001
☒		500 / 500 / 5,000		72.688.002
☒		500 / 500 / 5,000		72.688.003
☒		500 / 500 / 5,000		72.688.004
☒		500 / 500 / 5,000		72.688.005



Reaction tube with soft push cap: 2 ml

Volume	2 ml
Closure type	Retaining loop cap
Material	PP
Closure material	LD-PE
Cap	Attached

- Smooth, soft push caps
- Particularly suitable for frequent opening and closing
- Colour coding ensures better identification
- Larger packaging units for economical storage and stocking
- High centrifugation up to 20,000 x g

Colour	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
☒	☒	500 / 500 / 5,000		72.689
☒		500 / 500 / 5,000		72.689.001
☒		500 / 500 / 5,000		72.689.002
☒		500 / 500 / 5,000		72.689.003
☒		500 / 500 / 5,000		72.689.004
☒		500 / 500 / 5,000		72.689.006



Reaction tube without push cap: 0.5 - 2 ml

Material	PP
Cap	Without

- Particularly suitable for purification steps and aliquoting processes
- Good visibility of the sample
- Surface offers sufficient space for labelling

Volume	Colour	Base shape	Packaging (SP/IB/OC)	SP	Order no.
0.5 ml	☒	–	500 / 500 / 5,000		72.698.200
1.5 ml	☒	–	500 / 500 / 10,000		72.696
2 ml	☒	–	500 / 500 / 5,000		72.708
2 ml	☒	With skirted base	500 / 500 / 5,000		72.709



Caps for reaction tubes

Material	LD-PE
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- Particularly suitable for automated closing
- Flat push cap for space-saving storage
- High push cap for easy opening and closing
- Attached cap ensures reliable assignment to the container

Suitable for	Colour	Feature	Packaging (SP/IB/OC)	SP	Order no.
Micro tube Ø 10.8 mm	☒	With retaining loop	1,000 / 1,000 / 10,000		65.109
Micro tube Ø 10.8 mm	☒	–	1,000 / 1,000 / 10,000		65.723
Micro tube Ø 10.8 mm	☒	Flat	1,000 / 1,000 / 10,000		65.697



CryoPure tubes, external thread: 1.2 ml

Nominal volume	1 ml
Tube material	PP
Closure material	HD-PE
Closure type	Screw cap
Cap	Assembled

- For long-term storage of cells and cell components in the gas phase of liquid nitrogen
- QuickSeal mechanism for ergonomic and secure opening and closing with just one rotation
- Custom combination of different coloured screw caps and colour-coded inserts for visual coding and easy identification of samples
- Use in combination with the CryoRack 40 allows easy handling with one hand

Purity	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
	□	50 / 500 / 2,000		72.377
	■	50 / 500 / 2,000		72.377.002
	■	50 / 500 / 2,000		72.377.004
	■	50 / 500 / 2,000		72.377.005
	■	50 / 500 / 2,000		72.377.007
	□/■/■/■/■/■	50 / 500 / 2,000		72.377.992



CryoPure tubes, external thread: 2.0 ml

Nominal volume	1.8 ml
Tube material	PP
Closure material	HD-PE
Closure type	Screw cap
Cap	Assembled

- For long-term storage of cells and cell components in the gas phase of liquid nitrogen
- QuickSeal mechanism for ergonomic and secure opening and closing with just one rotation
- Custom combination of different coloured screw caps and colour-coded inserts for visual coding and easy identification of samples
- Use in combination with the CryoRack 40 allows easy handling with one hand

Purity	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
	□	50 / 500 / 2,000		72.379
	■	50 / 500 / 2,000		72.379.002
	■	50 / 500 / 2,000		72.379.004
	■	50 / 500 / 2,000		72.379.005
	■	50 / 500 / 2,000		72.379.006
	■	50 / 500 / 2,000		72.379.007
	□/■/■/■/■/■	50 / 500 / 2,000		72.379.992



CryoPure tubes, external thread: 5.0 ml

Nominal volume	4.5 ml
Tube material	PP
Closure material	HD-PE
Closure type	Screw cap
Cap	Assembled

- For long-term storage of cells and cell components in the gas phase of liquid nitrogen
- QuickSeal mechanism for ergonomic and secure opening and closing with just one rotation
- Custom combination of different coloured screw caps and colour-coded inserts for visual coding and easy identification of samples
- Use in combination with the CryoRack 40 allows easy handling with one hand

Purity	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
	□	25 / 250 / 1,000		72.383
	■	25 / 250 / 1,000		72.383.002
	■	25 / 250 / 1,000		72.383.004
	■	25 / 250 / 1,000		72.383.005
	■	25 / 250 / 1,000		72.383.007
	□/■/■/■/■/■	25 / 250 / 1,000		72.383.992



CryoPure tubes, internal thread and silicone seal: 2.0 ml

Nominal volume	1.6 ml
Tube material	PP
Closure material	PP
Closure type	Screw cap
Cap	Assembled

- For long-term storage of cells and cell components in the gas phase of liquid nitrogen
- Tube with internal thread and silicone seal for space-saving storage (10x10 grid format)
- QuickSeal mechanism for ergonomic and secure opening and closing with just one rotation
- Custom combination of different coloured screw caps and colour-coded inserts for visual coding and easy identification of samples
- Use in combination with the CryoRack 40 allows easy handling with one hand

Purity	Cap colour	Packaging (SP/IB/OC)	SP	Order no.
	□	50 / 500 / 2,000		72.380
	■	50 / 500 / 2,000		72.380.002
	■	50 / 500 / 2,000		72.380.004
	■	50 / 500 / 2,000		72.380.005
	■	50 / 500 / 2,000		72.380.006
	■	50 / 500 / 2,000		72.380.007
	□/■/■/■/■/■	50 / 500 / 2,000		72.380.992



Colour-coded inserts for CryoPure tubes

Material PS
Suitable for CryoPure tubes

- Visual coding for easy identification of samples
- Colours available individually or as a colour mix
- Up to 36 colour combinations are available in combination with the screw caps in 6 different colours

Colour	Packaging (SP/IB/OC)	SP	Order no.
□	100 / 100 / 3,000		65.386
■	100 / 100 / 3,000		65.386.002
■	100 / 100 / 3,000		65.386.004
■	100 / 100 / 3,000		65.386.005
■	100 / 100 / 3,000		65.386.006
■	100 / 100 / 3,000		65.386.007
■/■/■/■/□	100 / 2,500 / 2,500		65.386.992

CryoRack 40



Dimensions 100 x 210 x 22 mm
Suitable for CryoPure tubes
Format 10 x 4
Material PP

- Work rack for a total of 40 CryoPure tubes
- Special base lock allows one-handed handling
- Alphanumeric coding for each sample identification
- Non-slip thanks to rubber feet

Packaging (SP/IB/OC)	SP	Order no.
1 / 1 / 10		93.856.040

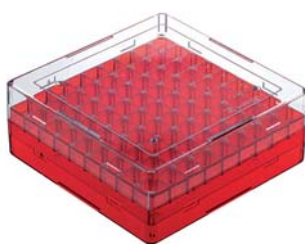


CryoPure boxes, 5 x 5, flat

Suitable for	CryoPure tubes 1.2–2.0 ml internal and external thread
Closure type	Slip-on lid
Format	5 x 5
Storage capacity	25
Dimensions	75 x 75 x 52 mm

- High-quality polycarbonate storage boxes for storing CryoPure tubes at temperatures down to -196 °C
- Numerical coding makes it easy to identify samples
- Crystal-clear lid and coloured base parts with large openings for quick ventilation
- Autoclavable (121 °C, 20 minutes)

Colour	Packaging (SP/IB/OC)	SP	Order no.
■	5 / 5 / 20		93.872.225
■	5 / 5 / 20		93.872.625
■	5 / 5 / 20		93.872.425



CryoPure boxes, 9 x 9, flat

Suitable for	CryoPure tubes 1.2–2.0 ml internal and external thread
Closure type	Slip-on lid
Format	9 x 9
Storage capacity	81
Dimensions	132 x 132 x 53 mm

- High-quality polycarbonate storage boxes for storing CryoPure tubes at temperatures down to -196 °C
- Numerical coding makes it easy to identify samples
- Crystal-clear lid and coloured base parts with large openings for quick ventilation
- Autoclavable (121 °C, 20 minutes)

Colour	Packaging (SP/IB/OC)	SP	Order no.
■	5 / 5 / 20		93.873.281
■	5 / 5 / 20		93.873.481
■	5 / 5 / 20		93.873.681

CryoPure boxes, 9 x 9, high



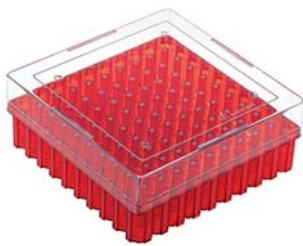
Suitable for
Closure type
Format
Storage capacity
Dimensions

CryoPure tubes 3.5–5.0 ml internal and external thread
Slip-on lid
9 x 9
81
132 x 132 x 95 mm

- High-quality polycarbonate storage boxes for storing CryoPure tubes at temperatures down to -196 °C
- Numerical coding makes it easy to identify samples
- Crystal-clear lid and coloured base parts with large openings for quick ventilation
- Autoclavable (121 °C, 20 minutes)

Colour	Packaging (SP/IB/OC)	SP	Order no.
■	5 / 5 / 20		93.875.281
■	5 / 5 / 20		93.875.481
■	5 / 5 / 20		93.875.681

CryoPure boxes, 10 x 10, flat



Suitable for
Closure type
Format
Storage capacity
Dimensions

CryoPure tubes 1.2–2.0 ml internal thread
Slip-on lid
10 x 10
100
132 x 132 x 53 mm

- High-quality polycarbonate storage boxes for storing CryoPure tubes at temperatures down to -196 °C
- Numerical coding makes it easy to identify samples
- Crystal-clear lid and coloured base parts with large openings for quick ventilation
- Autoclavable (121 °C, 20 minutes)

Colour	Packaging (SP/IB/OC)	SP	Order no.
■	5 / 5 / 20		93.874.210
■	5 / 5 / 20		93.874.410
■	5 / 5 / 20		93.874.610

ELISA plates



Number of wells

96

Lid

Without

Purity

Free from DNA/DNase/RNase, free from pyrogens and endotoxins, non-cytotoxic

- Made of ultra-pure polystyrene in transparent, white or black for a wide range of applications
- Transparent ELISA plates with three bottom shapes
- Medium binding surface: Hydrophobic, optimised for adsorption of primarily hydrophobic and larger/flexible molecules
- High binding surface: Hydrophilic, optimised for adsorption of primarily hydrophilic and small/rigid molecules
- Reproducible binding properties due to low variation coefficient (well-to-well, lot-to-lot): Medium binding < 10%, high binding < 5%

Base shape	Surface quality	Colour	Packaging (SP/IB/OC)	SP	Order no.
Flat base	Medium binding	☒	25 / 25 / 50		82.1581.100
Flat base	Medium binding	□	25 / 25 / 50		82.1581.110
Flat base	Medium binding	■	25 / 25 / 50		82.1581.120
Round base	Medium binding	☒	25 / 25 / 50		82.1582.100
Conical	Medium binding	☒	25 / 25 / 50		82.1583.100
Flat base	High binding	☒	25 / 25 / 50		82.1581.200
Flat base	High binding	□	25 / 25 / 50		82.1581.210
Flat base	High binding	■	25 / 25 / 50		82.1581.220
Round base	High binding	☒	25 / 25 / 50		82.1582.200

Micro test plates



Number of wells

96

- Made of ultra-pure, crystal-clear polystyrene with three base shapes available
- Format complies with ANSI/SLAS standard, suitable for all dispensers, washers and readers
- Alphanumeric labelling of the wells
- Non-sterile (without lid) and sterile (with lid) microtest plates

Base shape	Lid	Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
Flat base	Without	Free from DNA/DNase/RNase, free from pyrogens and endotoxins, non-cytotoxic	☒	25 / 25 / 100		82.1581
Round base	–	Free from DNA/DNase/RNase, free from pyrogens and endotoxins, non-cytotoxic	☒	25 / 25 / 100		82.1582
Conical	Without	Free from DNA/DNase/RNase, free from pyrogens and endotoxins, non-cytotoxic	☒	25 / 25 / 100		82.1583
Flat base	Assembled	Free from DNA/DNase/RNase, free from pyrogens/endotoxins, non-cytotoxic, sterile	☒	1 / 1 / 50		82.1581.001
Round base	Assembled	Free from DNA/DNase/RNase, free from pyrogens/endotoxins, non-cytotoxic, sterile	☒	1 / 1 / 50		82.1582.001
Conical	Assembled	Free from DNA/DNase/RNase, free from pyrogens/endotoxins, non-cytotoxic, sterile	☒	1 / 1 / 50		82.1583.001

Lid for ELISA and micro test plates



Suitable for Purity

ELISA and microtest plates in 96-well format
Free from DNA/DNase/RNase, free from pyrogens and endotoxins, non-cytotoxic

- Transparent lid of polystyrene
- Suitable for microtest and ELISA plates
- With condensation rings to reduce evaporation

Packaging (SP/IB/OC)	SP	Order no.
25 / 25 / 100		82.1584

Film for standard applications



Suitable for Material

ELISA and microtest plates
Acetate

- Self-adhesive for easy application
- Temperature range: -40 °C up to 100 °C, allows for a wide range of applications
- Dimensions: 121.5 x 82 x 0.08 mm

Colour	Packaging (SP/IB/OC)	SP	Order no.
<input checked="" type="checkbox"/>	100 / 100 / 1,000		82.1586


Terasaki micro test plate



Number of wells
Base shape
Lid
Surface
Purity

60
Conical
Assembled
TC-treated
Sterile

- 60-well plate for analyses with minute specimen volumes (max. 10 µl)
- Made of crystal-clear polystyrene
- With cover plate

Colour	Packaging (SP/IB/OC)	SP	Order no.
<input checked="" type="checkbox"/>	10 / 10 / 650		83.9923.972

Deep well plates



Number of wells

96

- Optimised shape for improved mixing properties and maximum sample recovery
- Highly resistant to most solvents and mechanical stress
- Fewer pipetting errors due to alphanumeric referencing
- The plates 82.1972.xxx are compatible with most devices designed for automated sample isolation (e.g. Thermo Scientific™ KingFisher™ Flex)

Volume	Base shape	Purity	Colour	Material	Special feature	Packaging (SP/IB/OC)	SP	Order no.
0.5 ml	Round base	Free from DNA/DNase/RNase, free from pyrogens/endotoxins	☒	PP	Round cavities	7 / 7 / 56		82.1969.002
1.2 ml	Round base	Free from DNA/DNase/RNase, free from pyrogens/endotoxins	☒	PS	Round cavities	4 / 32 / 32		82.1970.002
1.2 ml	Round base	Free from DNA/DNase/RNase, free from pyrogens/endotoxins	☒	PP	Round cavities	4 / 32 / 32		82.1971.002
2.2 ml	Conical wedge	Free from DNA/DNase/RNase/PCR inhibitors	☒	PP	Square cavities	4 / 4 / 24		82.1972
2.2 ml	Conical wedge	Free from DNA/DNase/RNase/PCR inhibitors, sterile, free from pyrogens/endotoxins	☒	PP	Square cavities	1 / 1 / 24		82.1972.005
2.2 ml	Conical wedge	Free from DNA/DNase/RNase/PCR inhibitors	☒	PP	Square cavities	4 / 4 / 24		82.1972.600
2.2 ml	Conical wedge	Free from DNA/DNase/RNase/PCR inhibitors	☒	PP	Square cavities	4 / 4 / 24		82.1972.700
2.2 ml	Conical wedge	Free from DNA/DNase/RNase/PCR inhibitors	☐	PP	Square cavities	4 / 4 / 24		82.1972.010

Sample handling

Accessories for Deep Well plates



- Cover mats for secure sample storage
- Tip comb for automated sample isolation (e.g. with Thermo Scientific™ KingFisher™ Flex)

Description	Suitable for	Colour	Purity	Packaging (SP/IB/OC)	SP	Order no.
Cover mat	Deep Well MegaBlock® 0.5 ml (82.1969.002) & 1.2 ml (82.1970.002 & 82.1971.002)	☒	Free from DNA/DNase/RNase, free from pyrogens/endotoxins	10 / 50 / 250		95.1990.002
Cover mat	Deep Well MegaBlock® 2.2 ml (82.1972.002)	☒	Free from DNA/DNase/RNase, free from pyrogens/endotoxins	10 / 50 / 250		95.1991.002
Tip comb	Deep Well MegaBlock® 2.2 ml (82.1972 & 82.1972.005/.010/.600/.700)	☒	Free from DNA/DNase/RNase/PCR inhibitors	2 / 2 / 20		82.1972.800



Cup: 250 ml

Volume 250 ml
Height x Ø 100 x 73 mm
Material PS

- White
- Stackable
- Filling quantity 250 ml

Colour	Packaging (SP/IB/OC)	SP	Order no.
☐	50 / 500 / 500		75.560



Snap-on lid for collection cup 250 ml

Suitable for 250 ml container 75.560
Material PS

- Flexible material allows easy opening and closing
- Non-drip seal for cups 75.560
- Easy to use

Colour	Packaging (SP/IB/OC)	SP	Order no.
☒	50 / 500 / 500		76.561



Cup: 125 ml

Volume 125 ml
Height x Ø 85 x 62 mm
Material PP

- Break-proof and stackable
- Transparent
- Graduated
- Ideal height for test strips

Colour	Packaging (SP/IB/OC)	SP	Order no.
☒	50 / 50 / 500		75.565

Urine cup: 125 ml



Volume 125 ml
Height x Ø 67 x 66 mm
Material PP

- Highly transparent material
- With graduations and labelling area
- Stackable

Colour	Packaging (SP/IB/OC)	SP	Order no.
☒	50 / 50 / 1,000		75.1355

Snap-on lid with and without pourer for urine collection cup 125 ml



Suitable for 125 ml container 75.1355
Material PE

- Easy sample processing by detaching the spout
- Flexible material allows easy opening and closing
- Non-drip seal

Colour	Design	Packaging (SP/IB/OC)	SP	Order no.
■	With spout	1,000 / 1,000 / 1,000		76.1477
■	With spout	100 / 100 / 1,000		76.1477.100
■	Without spout	1,000 / 1,000 / 1,000		76.1414
■	Without spout	100 / 100 / 1,000		76.1414.100

Cup: 100 ml



Volume 100 ml
Height x Ø 49 x 70 mm
Material PS

- Transparent
- Stackable
- Filling quantity 100 ml

Colour	Packaging (SP/IB/OC)	SP	Order no.
☒	50 / 1,000 / 1,000		75.570.001

Snap-on lid for collection cup 100 ml



Suitable for
Material

100 ml container 75.570.001
PET

- Flexible material allows easy opening and closing
- Non-drip seal for cups 75.570.001
- Easy to use

Colour	Packaging (SP/IB/OC)	SP	Order no.
☒	50 / 1,000 / 1,000		76.571.001

Urine collection cup with screw cap, natural: 100 ml



Material

PP

- Transparent material or with light protection property (brown)
- Odour-tight screw cap
- With graduations and labelling area
- Suitable for transport and storage of urine samples

Colour	Height x Ø	Purity	Design	Cap	Cap colour	Label/print colour	Packaging (SP/IB/OC)	SP	Order no.
☒	72 x 57 mm	–	–	Without	–	–	50 / 50 / 500		75.563
☒	72 x 62 mm	Sterile	With safety label	Assembled	☐	☐/■	5 / 5 / 200		75.562.105
☒	72 x 62 mm	–	–	Assembled	☐	–	5 / 200 / 200		75.562.005
☒	72 x 62 mm	–	–	Enclosed	☐	–	50 / 50 / 250		75.562.300
■	72 x 62 mm	–	–	Enclosed	■	–	50 / 50 / 250		75.562.011

Screw cap for urine collection cup, 100 ml



Suitable for
Material

100 ml container 75.563
HD-PE

- Matching screw cap for urine cup 75.563
- Odour-tight screw cap
- For secure transport and storage of urine samples

Colour	Height x Ø	Packaging (SP/IB/OC)	SP	Order no.
☒	62 x 14 mm	50 / 50 / 500		76.564



Medicine cup: 30 ml

Volume 30 ml
Height x Ø 40 x 37 mm
Material PP

- Contents clearly identifiable with no mix-ups
- The range of colours allow optimum distribution of medication based on location
- Space-saving storage thanks to compact packaging
- Fine graduations guarantee the exact dose of liquid medication
- Safe transport to the patient in combination with a lid (optional)

Colour	Packaging (SP/IB/OC)	SP	Order no.
<input checked="" type="checkbox"/>	75 / 3,750 / 3,750		75.1337.500
<input type="checkbox"/>	75 / 3,750 / 3,750		75.1337.502
<input type="checkbox"/>	75 / 3,750 / 3,750		75.1337.504
<input type="checkbox"/>	75 / 3,750 / 3,750		75.1337.505
<input type="checkbox"/>	75 / 3,750 / 3,750		75.1337.506

Snap-on lid for medicine cup 30 ml



Suitable for 30 ml medicine cup
Material PE

- Suitable for all 30 ml medicine cups
- Can also be delivered in a bag of 75

Colour	Packaging (SP/IB/OC)	SP	Order no.
<input type="checkbox"/>	750 / 3,750 / 3,750		76.1340.500
<input type="checkbox"/>	75 / 3,750 / 3,750		76.1340.560

Containers with assembled screw cap: 70 - 500 ml



Base shape Flat base
Material PP
Cap Assembled

- Volume can be clearly identified thanks to graduated scale
- Tamper-evident seal on the collection tube
- Sterile containers with assembled screw cap

Nominal volume	Purity	Label/print	Colour	Cap colour	Closure type	Packaging (SP/IB/OC)	SP	Order no.
70 ml	Sterile	With paper label	<input checked="" type="checkbox"/>	<input type="checkbox"/>	–	1 / 200 / 200		75.9922.721
70 ml	–	–	<input checked="" type="checkbox"/>	<input type="checkbox"/>	–	250 / 250 / 500		75.9922.744
70 ml	–	With paper label	<input checked="" type="checkbox"/>	<input type="checkbox"/>	–	250 / 250 / 500		75.9922.745
120 ml	Sterile	–	<input checked="" type="checkbox"/>	<input type="checkbox"/>	–	250 / 250 / 250		75.9922.420
120 ml	–	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	250 / 250 / 250		75.9922.421
250 ml	Sterile	with safety label	<input checked="" type="checkbox"/>	<input type="checkbox"/>	–	240 / 240 / 240		75.9922.518
250 ml	Sterile	–	<input checked="" type="checkbox"/>	<input type="checkbox"/>	–	240 / 240 / 240		75.9922.534
250 ml	–	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	240 / 240 / 240		75.9922.532
500 ml	Sterile	–	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Standard screw cap	40 / 40 / 80		75.9922.813
500 ml	Sterile	with safety label	<input checked="" type="checkbox"/>	<input type="checkbox"/>	–	40 / 40 / 80		75.9922.818
500 ml	–	–	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	–	40 / 40 / 80		75.9922.812



Storage boxes

Suitable for

Vessels with maximum dimensions of 45 x 12 mm

- For storage down to -86 °C
- Numerical coding makes it easy to identify samples
- Various box designs for tubes up to max. Ø 12 mm
- Can be autoclaved at 121 °C
- Made of high-quality polypropylene (PP)

Colour	Closure type	Format	Storage capacity	Packaging (SP/IB/OC)	SP	Order no.
☒	Slip-on lid	9 x 9	81	5 / 5 / 20		93.876
■	Slip-on lid	9 x 9	81	5 / 5 / 20		93.876.281
■	Slip-on lid	9 x 9	81	5 / 5 / 20		93.876.381
■	Slip-on lid	9 x 9	81	5 / 5 / 20		93.876.481
■	Slip-on lid	9 x 9	81	5 / 5 / 20		93.876.581
■	Slip-on lid	9 x 9	81	5 / 5 / 20		93.876.681
☒	Hinged lid	10 x 10	100	5 / 5 / 20		93.877
■	Hinged lid	10 x 10	100	5 / 5 / 20		93.877.210
■	Hinged lid	10 x 10	100	5 / 5 / 20		93.877.310
■	Hinged lid	10 x 10	100	5 / 5 / 20		93.877.410
■	Hinged lid	10 x 10	100	5 / 5 / 20		93.877.510
■	Hinged lid	10 x 10	100	5 / 5 / 20		93.877.610



Storage boxes for 15 & 50 ml tubes

Closure type

Slip-on lid

- For storage down to -86 °C
- Numerical coding makes it easy to identify samples
- Various box designs for tubes up to max. Ø 12 mm
- Can be autoclaved at 121 °C
- Made of high-quality polypropylene (PP)

Colour	Suitable for	Format	Storage capacity	Packaging (SP/IB/OC)	SP	Order no.
■	50 ml tubes and tubes up to Ø 30 mm	4 x 4	16	2 / 2 / 12		93.881
■	15 ml tubes and tubes up to Ø 17 mm	6 x 6	36	2 / 2 / 12		93.880



Storage box made of cold-resistant cardboard material

Closure type

Slip-on lid

- For storage down to -86 °C
- Secure storage protected from light
- Space-saving and clear organisation of specimens

Colour	Suitable for	Format	Storage capacity	Packaging (SP/IB/OC)	SP	Order no.
<input type="checkbox"/>	Tubes up to max. 34 mm Ø, tube height between 89-115 mm	4 x 4	16	1 / 1 / 30		95.64.916
<input type="checkbox"/>	Tubes up to max. 22 mm Ø, tube height between 88.5-129 mm	7 x 7	49	1 / 1 / 27		95.64.922
<input type="checkbox"/>	Tubes up to max. 13 mm Ø, tube height between 36-45 mm	9 x 9	81	1 / 1 / 120		95.64.981
<input type="checkbox"/>	Tubes up to max. 13 mm Ø, tube height between 35-56 mm	9 x 9	81	1 / 1 / 96		95.64.982
<input type="checkbox"/>	Tubes up to max. 12 mm Ø, tube height between 29-34 mm	10 x 10	100	1 / 1 / 156		95.64.923
<input type="checkbox"/>	Tubes up to max. 12 mm Ø, tube height between 36-45 mm	10 x 10	100	1 / 1 / 120		95.64.997
<input type="checkbox"/>	Tubes up to max. 9.5 mm Ø, tube height between 19-26 mm	12 x 12	144	1 / 1 / 216		95.64.924



Polystyrene containers

Material

Styrofoam

- Work rack is cost-effective and saves space
- Suitable lid ensures secure sample storage
- Various designs for tubes up to max. Ø 16 mm

Dimensions	Suitable for	Format	Colour	Packaging (SP/IB/OC)	SP	Order no.
100 x 85 x 65 mm	Tubes Ø 10.8 mm	5 x 4	<input type="checkbox"/>	1 / 1 / 112		95.64.253
205 x 127 x 46 mm	15 ml tubes	10 x 5	<input type="checkbox"/>	1 / 1 / 21		95.64.251
340 x 100 x 65 mm	Tubes Ø 10.8 mm	20 x 5	<input type="checkbox"/>	1 / 1 / 30		95.64.249
338 x 90 x 50 mm	S-Monovette® Ø 11 mm	20 x 5	<input type="checkbox"/>	1 / 1 / 40		95.1439
336 x 89 x 49 mm	Tubes Ø 13 mm	20 x 5	<input type="checkbox"/>	1 / 1 / 35		95.64.213
416 x 107 x 50 mm	Tubes Ø 15 and 16 mm	20 x 5	<input type="checkbox"/>	1 / 1 / 28		95.64.250

Racks "series 18"



Dimensions

137 x 70 x 40 mm

Format

6 x 3

Material

PC

- Space for 18 collection tubes
- Shatter-proof material ensures that samples are stored securely
- Special knurling allows SARSTEDT screw cap micro tubes to be opened and closed with one hand
- Can be autoclaved at 121 °C
- For storage down to -86 °C

Suitable for	Colour	Packaging (SP/IB/OC)	SP	Order no.
Reaction tubes 1.5 ml	☒	1 / 1 / 36		93.826
Tubes, S-Monovette® 11 mm Ø	☒	1 / 1 / 36		93.827
Tubes, S-Monovette® 15 mm and 13 mm Ø	☒	1 / 1 / 36		93.850
Tubes, square cuvettes, all S-Monovette® diameters	☒	1 / 1 / 36		93.850.001
Reaction tubes 2 ml, Microvette®	☒	1 / 1 / 36		93.870
Screw cap micro tubes	☒	1 / 1 / 36		93.894
Tubes, S-Monovette® 13 mm Ø	☒	1 / 1 / 36		93.827.013

Racks "series 20"



Format

10 x 2

Material

PC

- Space for 20 collection tubes
- Shatter-proof material ensures that samples are stored securely
- Special knurling allows SARSTEDT screw cap micro tubes to be opened and closed with one hand
- Can be autoclaved at 121 °C
- For storage down to -86 °C

Dimensions	Suitable for	Colour	Packaging (SP/IB/OC)	SP	Order no.
257 x 74 x 55 mm	Tubes, all S-Monovette® diameters	☒	1 / 1 / 30		93.1097.100
327 x 72 x 60 mm	Tubes up to 26 mm Ø	☒	1 / 1 / 40		93.841.100
257 x 62 x 55 mm	Tubes, all S-Monovette® diameters	☒	1 / 1 / 42		93.844.100
257 x 62 x 40 mm	Tubes, S-Monovette® 13 mm and 11 mm Ø	☒	1 / 1 / 60		93.846.100
257 x 62 x 40 mm	Screw cap micro tubes	☒	1 / 1 / 60		93.848.100
257 x 62 x 40 mm	Reaction tubes 2 ml, Microvette®	☒	1 / 1 / 60		93.849.100
327 x 72 x 60 mm	Tubes 100 x 21.5 mm	☒	1 / 1 / 40		93.893.100



Cover for racks "series 20"

**Suitable for
Material**

**Rack no. 93.1097.100
PC**

- Suitable lid ensures secure sample storage
- Can be autoclaved at 121 °C
- For storage down to -86 °C

Colour	Packaging (SP/IB/OC)	SP	Order no.
■	1 / 1 / 30		93.1102.001

Racks "series 48"



**Dimensions
Format
Material**

**257 x 90 x 40 mm
12 x 4
PC**

- Space for 48 collection tubes
- Shatter-proof material ensures that samples are stored securely
- Special knurling allows SARSTEDT screw cap micro tubes to be opened and closed with one hand
- Can be autoclaved at 121 °C
- For storage down to -86 °C

Suitable for	Colour	Packaging (SP/IB/OC)	SP	Order no.
Screw cap micro tubes	☒	1 / 1 / 40		93.1428
Tubes, S-Monovette® 15 mm and 13 mm Ø	☒	1 / 1 / 40		93.1431
Tubes, square cuvettes, all S-Monovette® diameters	☒	1 / 1 / 40		93.1431.001
Reaction tubes 8 mm Ø e.g. REF 72.699, 72.735	☒	1 / 1 / 40		93.48.011
Reaction tubes 1.5 ml	☒	1 / 1 / 40		93.837
Tubes, S-Monovette® 11 mm Ø	☒	1 / 1 / 40		93.838
Tubes, S-Monovette® 13 mm Ø	☒	1 / 1 / 40		93.838.013
Reaction tubes 2 ml, Microvette®	☒	1 / 1 / 40		93.868

Block rack D12



Dimensions	152 x 80 x 45 mm
Format	5 x 10
Diameter of the opening	12 mm
Material	PP
Handle	No

- Can be autoclaved at 121 °C
- Particularly space-saving sample storage
- Can be combined to form sample distribution blocks
- 50 holes for S-Monovettes and tubes with Ø 8 - 12 mm
- Different colour for each area of the laboratory

Colour	Packaging (SP/IB/OC)	SP	Order no.
■	1 / 1 / 20	-	93.854
■	1 / 1 / 20	-	93.854.121
■	1 / 1 / 20	-	93.854.122
■	1 / 1 / 20	-	93.854.123
■	1 / 1 / 20	-	93.854.124
■	1 / 1 / 20	-	93.854.125

Block rack D13



Dimensions	180 x 96 x 45 mm
Format	5 x 10
Diameter of the opening	13 mm
Material	PP
Handle	No

- Can be autoclaved at 121 °C
- Particularly space-saving sample storage
- 50 holes for S-Monovettes and tubes with Ø 8 - 13 mm
- Different colour for each area of the laboratory

Colour	Packaging (SP/IB/OC)	SP	Order no.
■	1 / 1 / 16	-	93.853
■	1 / 1 / 16	-	93.853.131
■	1 / 1 / 16	-	93.853.132
■	1 / 1 / 16	-	93.853.133
■	1 / 1 / 16	-	93.853.134
■	1 / 1 / 16	-	93.853.135

Double block rack D13



Dimensions	360 x 96 x 45 mm
Format	5 x 20
Diameter of the opening	13 mm
Material	PP
Handle	No

- Can be autoclaved at 121 °C
- Twice the number of holes
- Can be combined to form sample distribution blocks
- 100 holes for S-Monovettes and tubes with Ø 8 - 13 mm

Colour	Packaging (SP/IB/OC)	SP	Order no.
■	1 / 1 / 8	-	93.853.300

Double block rack D13



Dimensions	180 x 192 x 45 mm
Format	10 x 10
Diameter of the opening	13 mm
Material	PP
Handle	No

- Can be autoclaved at 121 °C
- Twice the number of holes
- Can be combined to form sample distribution blocks
- 100 holes for S-Monovettes and tubes with Ø 8 - 13 mm

Colour	Packaging (SP/IB/OC)	SP	Order no.
■	1 / 1 / 8	-	93.853.200

Block rack D17



Format 5 x 10
Diameter of the opening 17 mm
Material PP

- Can be autoclaved at 121 °C
- Particularly space-saving sample storage
- Available with or without handle for better handling
- 50 holes for S-Monovettes and tubes with Ø 13 - 17 mm
- Different colour for each area of the laboratory

Dimensions	Colour	Handle	Packaging (SP/IB/OC)	SP	Order no.
209 x 109 x 45 mm	■	No	1 / 1 / 20	-	93.852
209 x 109 x 45 mm	■	No	1 / 1 / 20	-	93.852.171
209 x 109 x 45 mm	■	No	1 / 1 / 20	-	93.852.172
209 x 109 x 45 mm	■	No	1 / 1 / 20	-	93.852.173
209 x 109 x 45 mm	■	No	1 / 1 / 20	-	93.852.174
209 x 109 x 45 mm	■	No	1 / 1 / 20	-	93.852.175
209 x 109 x 45 mm	■	No	1 / 1 / 20	-	93.852.168
209 x 109 x 45 mm	■	No	1 / 1 / 20	-	93.852.169
209 x 109 x 45 mm	□	No	1 / 1 / 20	-	93.852.170
246 x 109 x 45 mm	■	Yes	1 / 1 / 12	-	93.851
246 x 109 x 45 mm	■	Yes	1 / 1 / 12	-	93.851.171
246 x 109 x 45 mm	■	Yes	1 / 1 / 12	-	93.851.172
246 x 109 x 45 mm	■	Yes	1 / 1 / 12	-	93.851.173
246 x 109 x 45 mm	■	Yes	1 / 1 / 12	-	93.851.174

Double block rack D17



Dimensions 209 x 218 x 45 mm
Format 5 x 20
Diameter of the opening 17 mm
Material PP
Handle No

- Can be autoclaved at 121 °C
- Twice the number of holes
- 100 holes for S-Monovettes and tubes with Ø 13 - 17 mm

Colour	Packaging (SP/IB/OC)	SP	Order no.
■	1 / 1 / 12	-	93.852.300

Double block rack D17



Dimensions	209 x 218 x 45 mm
Format	10 x 10
Diameter of the opening	17 mm
Material	PP
Handle	No

- Can be autoclaved at 121 °C
- Twice the number of holes
- 100 holes for S-Monovettes and tubes with Ø 13 - 17 mm


Colour	Packaging (SP/IB/OC)	SP	Order no.
■	1 / 1 / 12	-	93.852.200

Protective cover for block rack D17



Suitable for	Block rack D17
Material	ABS



- Can be autoclaved at 121 °C
- High-strength acrylonitrile butadiene styrene (ABS)
- Optimal cover for opened tubes during sample storage
- Prevents opened tubes from becoming contaminated in the refrigerator

Colour	Packaging (SP/IB/OC)	SP	Order no.
■	25 / 25 / 25		93.857

IsoFreeze® rack



- Consistently cooled samples for up to 3 hours
- Minimised risk of contamination as no ice is required to store the samples
- Clear colour change outside the optimal temperature range (over 7 °C)

Suitable for	Format	Packaging (SP/IB/OC)	SP	Order no.
0.1 ml and 0.2 ml PCR tubes, PCR strips and PCR plates	12 x 8	2 / 2 / 10		95.984
Reaction tubes Ø 10.8 mm (1.5 ml & 2 ml)	6 x 4	1 / 1 / 5		95.983



Rack for centrifuge tubes

Dimensions	295 x 114 x 65 mm
Suitable for	50 ml centrifuge tubes
Format	6 x 3
Material	PP

- For practical storage of 50 ml tubes
- Can be autoclaved at 121 °C
- For storage down to -86 °C

Colour	Packaging (SP/IB/OC)	SP	Order no.
■	1 / 1 / 10		93.1707



Rotating workstation

Dimensions	108 x 108 x 257 mm
Suitable for	Micro tubes and tubes with Ø 4-30 mm
Format	12 x 8
Material	PP

- Different sample tubes can be stored in one rack
- Ø 5 mm - Ø 30 mm hole per element
- Elements can be rotated and combined
- Can be autoclaved at 121 °C
- For storage down to -86 °C

Colour	Packaging (SP/IB/OC)	SP	Order no.
■/■/■/■	1 / 1 / 4		93.879

SARMIX® M 2000



Voltage	100/240 V
Frequency	50 Hz - 60 Hz
Design	Shaking function

- Rotation mixer with variable speed and shaking function
- Ideal for applications in haematology and research
- Mixing programs for various tasks
- Exchangeable rotors for many tube sizes
- Delivery without rotor

Description	Scope of delivery	Packaging (SP/IB/OC)	SP	Order no.
Rotation mixer	incl. mains adapter 100–240 V, DC with EU/UK/US plug	1 / 1 / 1		90.180.600

Accessories for SARMIX® M 2000



- Exchangeable rotors for SARMIX® M 2000
- Can be quickly replaced for flexible use
- Compatible with various tube diameters

Description	Capacity	Packaging (SP/IB/OC)	SP	Order no.
Plate rotor	For 23 tubes Ø 8–12 mm	1 / 1 / 10		92.180.610
Plate rotor	For 2 tubes up to 35 mm Ø and 6 tubes up to 20 mm Ø and 6 tubes up to 12.5 mm Ø	1 / 1 / 10		92.180.611
Block rotor	For 40 tubes up to 11.5 mm diameter	1 / 1 / 10		92.180.612
Block rotor	For 24 tubes up to 15 mm diameter	1 / 1 / 10		92.180.613
Block rotor	For 7 tubes up to 28 mm diameter	1 / 1 / 10		92.180.614
Block rotor	For 40 tubes up to 8.5 mm Ø (S-Sedivette®)	1 / 1 / 10		92.180.615
Block rotor	For 14 tubes up to 28 mm diameter	1 / 1 / 10		92.180.616
Block rotor	For 24 tubes up to 17 mm Ø (15 ml tubes)	1 / 1 / 10		92.180.617
Block rotor	For 36 tubes up to 15 mm diameter	1 / 1 / 10		92.180.618
Block rotor	For 8 tubes up to 22 mm diameter	1 / 1 / 10		92.180.619

SARMIX® SM1



Description	Rocking mixer
Voltage	230 V
Frequency	50 Hz - 60 Hz

- Tilting mixer for all common tubes
- Thorough mixing of the samples
- Optimised support surface ensures that samples are secure

Design	Packaging (SP/IB/OC)	SP	Order no.
EU plug	1 / 1 / 1		90.180.200
CH plug	1 / 1 / 1		90.180.203



Maximum purity and reliability

Our range of PCR consumables are optimally designed for all common thermocyclers.

The extremely uniform and thin well walls facilitate consistently homogeneous and rapid heat transfer. This means we can guarantee reliable, highly reproducible results. During production, we also test each individual well to ensure that it is 100% leak-proof. Therefore, our products ensure maximum safety when using valuable samples.

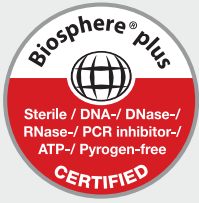
All PCR plates and tubes are "PCR Performance Tested" certified and guaranteed to be DNA-free, free of DNase/RNase and free of PCR inhibitors. For the absolutely reliable absence of DNA and other biomolecules, we offer Biosphere® plus certified products that are subjected to a validated decontamination procedure. Biosphere® plus products are also free of pyrogens and ATP and are sterile.

Our forensic swabs have a ventilation membrane in the tube base, which ensures the swab can dry itself in the tube. A decontamination process developed specifically to address the needs of forensics as well as highest cleanroom conditions in the production process mean we guarantee that the forensic swabs are absolutely free of DNA.



PCR and molecular biology

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The raised rim around all wells protects against cross-contamination and allows secure closure with films.

Black alphanumeric labelling facilitates sample identification and traceability during manual filling.



Low profile variants for low-volume reactions and fast PCR.

Their ANSI-compliant dimensions allow them to be used in automated systems.

Very constant well and plate uniformity minimises data variability.

The quality of plastics is important for us

Our entire production process focuses on PCR, during which we take into account important parameters that impact the quality of the products. This starts with precision engineering in design and construction. Only precisely manufactured tools can produce PCR plates with uniform wells that minimise data variability. The products are manufactured using selected raw materials of the highest purity and quality that comply with numerous international guidelines and standards.

To get the most out of our products, all materials have been carefully selected for their intended purpose and specially validated.



The new generation of PCR plates

- Optimised white colour variants for maximum detection sensitivity in qPCR
- Certified to be free of hDNA and bDNA, DNases and RNases as well as PCR inhibitors
- High purity, EtO-treated variants (Biosphere® plus quality) available





Low binding PCR plates

DNA and low protein binding PCR plates maximise sample recovery of nucleic acids and proteins by significantly reducing the bond between the sample and the well surface. The increasing use of PCR consumables for other applications in particular often requires maximum sample recovery. The low binding properties are not achieved by a coating that may interfere with the sample, but are the result of using special raw materials and a particular physical treatment.



PCR strips

The coordinated lid strips and PCR strips ensure a tight seal. Reinforced connecting bars prevent PCR strips from twisting, breaking or becoming slack. Extremely uniform and thin well walls facilitate consistently homogeneous and rapid heat transfer. This means we can guarantee reliable, highly reproducible results.



PCR tubes

The integrated anti-contamination shield prevents accidental contact with the inner surface of the lid, thereby increasing safety without impacting handling. The flat lid provides ample space for labelling. The 0.5 ml containers are also ideal for use in the Qubit™ Fluorometer.



Forensic swabs

An EtO gassing process developed specifically to address the high requirements of forensics as well as highest cleanroom conditions in the ISO 18385-compliant production process guarantee that the forensic swabs are absolutely free of DNA. The transport tube with a ventilation membrane ensures that the swab can dry itself while being protected from contamination and significantly prolongs sample stability.



PCR plates with full skirt



Volume	0.1 ml
Number of wells	96
Profile	Low profile
Material	PP

- Optimised white colour variant for maximum detection sensitivity in qPCR
- For low-volume reactions and fast PCR
- Consistent well and plate uniformity minimises data variability
- Low DNA & protein-binding variants for highest sample recovery
- PCR Performance Tested: DNA-free, DNase/RNase-free, PCR inhibitor-free – Biosphere® plus: sterile, free of DNA, DNase/RNase, PCR inhibitor, ATP, non-pyrogenic/endotoxin-free

Skirt	Surface quality	Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
Full skirt	–		☒	1 / 10 / 20		72.1980.201
Full skirt	–		☒	10 / 50 / 100		72.1980
Full skirt	–		☐	10 / 50 / 100		72.1980.010
Full skirt	Low DNA-binding		☒	10 / 50 / 100		72.1980.700
Full skirt	Low protein-binding		☒	10 / 50 / 100		72.1980.600

PCR plates with half skirt



Volume	0.2 ml
Number of wells	96
Profile	High profile
Material	PP

- Optimised white colour variant for maximum detection sensitivity in qPCR
- Constant well and plate uniformity minimises data variability
- Low DNA-binding variant for highest sample recovery
- PCR Performance Tested: DNA-free, DNase/RNase-free, PCR inhibitor-free – Biosphere® plus: sterile, free of DNA, DNase/RNase, PCR inhibitor, ATP, non-pyrogenic/endotoxin-free

Skirt	Surface quality	Design	Purity	Colour	Special feature	Packaging (SP/IB/OC)	SP	Order no.
Half skirt	–	–		☒	–	1 / 10 / 20		72.1979.201
Half skirt	–	–		☒	–	10 / 50 / 100		72.1979
Half skirt	–	–		☐	–	10 / 50 / 100		72.1979.010
Half skirt	–	Barcode		☒	–	10 / 50 / 100		72.1979.003
Half skirt	–	–		☒	Flat deck	5 / 25 / 100		72.1979.102
Half skirt	–	–		☐	Flat deck	5 / 50 / 100		72.1979.132
Half skirt	Low DNA-binding	–		☒	–	10 / 50 / 100		72.1979.700

PCR plates with half skirt



Volume	0.1 ml
Number of wells	96
Profile	Low profile
Material	PP

- Optimised white colour variant for maximum detection sensitivity in qPCR
- For low-volume reactions and fast PCR
- PCR plate 72.1982.252 compatible with Roche LightCycler® 480
- Constant well and plate uniformity minimises data variability
- PCR Performance Tested: DNA-free, DNase/RNase-free, PCR inhibitor-free

Skirt	Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
Half skirt		<input checked="" type="checkbox"/>	10 / 50 / 100		72.1981
Half skirt		<input type="checkbox"/>	10 / 50 / 100		72.1981.010
Half skirt		<input type="checkbox"/>	10 / 50 / 200		72.1982.252

PCR plates without skirt



Volume	0.2 ml
Number of wells	96
Profile	High profile
Material	PP

- Easy to cut if 24-well or 48-well formats are required
- Optimised white colour variant for maximum detection sensitivity in qPCR
- Constant well and plate uniformity minimises data variability
- PCR Performance Tested: DNA-free, DNase/RNase-free, PCR inhibitor-free

Skirt	Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
Without skirt		<input checked="" type="checkbox"/>	10 / 50 / 100		72.1978
Without skirt		<input type="checkbox"/>	10 / 50 / 100		72.1978.010

PCR plates without skirt



Volume	0.1 ml
Number of wells	96
Profile	Low profile
Material	PP

- Easy to cut if 24-well or 48-well formats are required
- Optimised white colour variant for maximum detection sensitivity in qPCR
- For low-volume reactions and fast PCR
- Constant well and plate uniformity minimises data variability
- PCR Performance Tested: DNA-free, DNase/RNase-free, PCR inhibitor-free

Skirt	Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
Without skirt		<input checked="" type="checkbox"/>	20 / 20 / 100		72.1977.202
Without skirt		<input type="checkbox"/>	20 / 20 / 100		72.1977.232

384-well PCR plates



Volume	40 µl
Number of wells	384
Profile	Low profile
Material	PP

- Optimised white colour variant for maximum detection sensitivity in qPCR
- For low-volume reactions and fast PCR
- PCR plate 72.1985.202 compatible with Roche LightCycler® 480
- Constant well and plate uniformity minimises data variability
- PCR Performance Tested: DNA-free, DNase/RNase-free, PCR inhibitor-free

Skirt	Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
Full skirt		<input checked="" type="checkbox"/>	50 / 50 / 50		72.1984.202
Full skirt		<input type="checkbox"/>	50 / 50 / 100		72.1985.202

PCR strips with attached lid



Profile	High profile
Closure type	Flat cap
Closure	Attached
Material	PP

- Optimum heat transfer through thin-walled reaction chamber
- Integrated contamination protection – can be opened without touching the inside surface of the lid
- Colour variants for optimal organisation in the laboratory
- Two purity standards offer tailored product quality
- PCR Performance Tested: DNA-free, DNase/RNase-free, PCR inhibitor-free – Biosphere® plus: sterile, free of DNA, DNase/RNase, PCR inhibitor, ATP, non-pyrogenic/endotoxin-free

Volume	Number of collection tubes	Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
0.2 ml	4		<input checked="" type="checkbox"/>	50 / 200 / 400		72.990
0.2 ml	8		<input checked="" type="checkbox"/>	120 / 120 / 480		72.991.002
0.2 ml	8			120 / 480 / 480		72.991.992
0.2 ml	4		<input checked="" type="checkbox"/>	120 / 120 / 480		72.990.002
0.2 ml	4			120 / 480 / 480		72.990.992

PCR strips with attached lid



Profile	Low profile
Closure type	Flat cap
Closure	Attached
Material	PP

- Optimum heat transfer through thin-walled reaction chamber
- For low-volume reactions and fast PCR
- PCR Performance Tested: DNA-free, DNase/RNase-free, PCR inhibitor-free

Volume	Number of collection tubes	Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
0.1 ml	8		<input checked="" type="checkbox"/>	12 / 120 / 1,200		72.991.103



PCR strips for the qPCR

Profile High profile
Closure Without
Material PP

- Optimum heat transfer through thin-walled reaction chamber
- Optimised white colour variant for maximum detection sensitivity in qPCR
- Additional colour variants for optimal organisation in the laboratory
- PCR Performance Tested: DNA-free, DNase/RNase-free, PCR inhibitor-free – Biosphere® plus: sterile, free of DNA, DNase/RNase, PCR inhibitor, ATP, non-pyrogenic/endotoxin-free

Volume	Number of collection tubes	Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
0.2 ml	96		<input checked="" type="checkbox"/>	1 / 20 / 20		72.985
0.2 ml	8		<input checked="" type="checkbox"/>	120 / 120 / 480		72.985.002
0.2 ml	8		<input type="checkbox"/>	120 / 120 / 480		72.985.092
0.2 ml	8			120 / 480 / 480		72.985.992



PCR strips for the qPCR

Profile Low profile
Closure type Flat cap
Closure Enclosed
Material PP

- Optimum heat transfer through thin-walled reaction chamber
- White colour variant for maximum detection sensitivity in qPCR
- PCR Performance Tested: DNA-free, DNase/RNase-free, PCR inhibitor-free

Volume	Number of collection tubes	Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
0.1 ml	8		<input checked="" type="checkbox"/>	125 / 125 / 1,250		72.982.002
0.1 ml	8		<input type="checkbox"/>	125 / 125 / 1,250		72.982.092



PCR single tubes: 0.2 and 0.5 ml

Profile High profile
Closure type Flat cap
Closure Attached
Material PP

- Optimum heat transfer through thin-walled reaction chamber
- Integrated contamination protection – can be opened without touching the inside surface of the lid
- PCR Performance Tested: DNA-free, DNase/RNase-free, PCR inhibitor-free – Biosphere® plus: sterile, free of DNA, DNase/RNase, PCR inhibitor, ATP, non-pyrogenic/endotoxin-free

Volume	Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
0.2 ml		<input checked="" type="checkbox"/>	250 / 1,000 / 2,000		72.737
0.2 ml		<input checked="" type="checkbox"/>	500 / 500 / 2,000		72.737.002
0.2 ml			500 / 3,000 / 3,000		72.737.992
0.5 ml		<input checked="" type="checkbox"/>	100 / 500 / 1,000		72.735.100
0.5 ml		<input checked="" type="checkbox"/>	500 / 500 / 2,000		72.735.002
0.5 ml			500 / 3,000 / 3,000		72.735.992

Lid strips, optimised for qPCR



Material

PP

- Highly transparent for efficient light transmission
- Two purity standards offer tailored product quality
- For use with PCR strips and PCR plates
- PCR Performance Tested: DNA-free, DNase/RNase-free, PCR inhibitor-free – Biosphere® plus: sterile, free of DNA, DNase/RNase, PCR inhibitor, ATP, non-pyrogenic/endotoxin-free

Suitable for	Colour	Purity	Packaging (SP/IB/OC)	SP	Order no.
PCR plates (REF 72.1978/010, 72.1979/010/003/201/700, 72.1980/010/201/600/700, 72.1981/010) & PCR strips (REF 72.985.002/092/992)	☒		12 / 12 / 240		65.989
PCR plates (REF 72.1978/010, 72.1979/010/003/201/700, 72.1980/010/201/600/700, 72.1981/010) & PCR strips (REF 72.985.002/092/992)	☒		120 / 120 / 480		65.989.002
PCR plates (REF 72.1979.102/132, 72.1982.202)	☒		12 / 300 / 1,200		65.1998.400



Sealing films

Purity

Free from DNase/RNase

- Highly transparent for efficient light transmission (except REF 95.1995)
- Excellent sealing over each cavity
- Suitable for multi-well plate formats

Description	Adhesive property	Special feature	Colour	Packaging (SP/IB/OC)	SP	Order no.
PCR film	Self-adhesive	Thin material, high optical clarity	☒	100 / 100 / 1,600		95.1993
PCR film	Self-adhesive	High adhesive strength, highly resistant to chemicals	☒	100 / 100 / 1,200		95.1994
Aluminium film	Self-adhesive	Pierceable, light protection for specimens, highly resistant to chemicals	■	100 / 100 / 1,200		95.1995
qPCR film	Encapsulated adhesive	Heat-sensitive adhesive, lowest evaporation rates	☒	100 / 100 / 1,600		95.1999

IsoFreeze® PCR rack



- Consistently cooled samples for up to 3 hours
- Minimised risk of contamination as no ice is required to store the samples
- Clear colour change outside the optimal temperature range (over 7 °C)

Suitable for	Format	Packaging (SP/IB/OC)	SP	Order no.
Reaction tubes Ø 10.8 mm (1.5 ml & 2 ml)	6 x 4	1 / 1 / 5		95.983
0.1 ml and 0.2 ml PCR tubes, PCR strips and PCR plates	12 x 8	2 / 2 / 10		95.984



RackSystem for PCR containers

- 96-well format (8 x 12 spaces) for the use of PCR plates, strips and individual tubes
- All individual tubes can be fully transferred into the cyclor with the tray of the rack system

Description	Colour	Suitable for	Packaging (SP/IB/OC)	SP	Order no.
PCR work tray	☒	0.1 ml and 0.2 ml PCR tubes	5 / 5 / 100		95.987.002
Base station	☒	Work tray 95.987.002 & 0.2 ml PCR tubes	5 / 5 / 75		95.988
Base station	■	Work tray 95.987.002 & 0.2 ml PCR tubes	5 / 5 / 75		95.988.001
Base station	■	Work tray 95.987.002 & 0.2 ml PCR tubes	5 / 5 / 75		95.988.002
Base station	■	Work tray 95.987.002 & 0.2 ml PCR tubes	5 / 5 / 75		95.988.003
Base station	■	Work tray 95.987.002 & 0.2 ml PCR tubes	5 / 5 / 75		95.988.004



Forensic swabs

- Ventilation membrane in the tube base allows the swab to dry itself (except REF 80.626)
- Special EtO gassing process and highest cleanroom conditions in the production process ensure freedom from DNA
- Complies with all requirements of ISO 18385
- Employee DNA exclusion database available

Stem material	Stem length	Swab shape	Swab material	Design	Packaging (SP/IB/OC)	SP	Order no.
PS	93 mm	Round	Viscose	In the tube with ventilation membrane	1 / 100 / 800		80.629
Wood	95 mm	Round	Cotton	In the tube with ventilation membrane	1 / 100 / 800		80.629.001
Wood	95 mm	Pointed	Cotton	In the tube with ventilation membrane	1 / 100 / 800		80.629.101
PS	85 mm	Round	Viscose	In the tube with ventilation membrane	1 / 50 / 500		80.630
PS	125 mm	Round	Viscose	In the tube with ventilation membrane	1 / 50 / 500		80.634
Wood	150 mm	Round	Cotton	–	1 / 100 / 1,000		80.626

Systematic pipetting

Dosing, transferring and measuring liquids are routine procedures in almost every laboratory. We offer a wide range of products for any application and requirement, from high-quality pipette tips and serological pipettes to transfer pipettes, for reliable and reproducible results.

Our many years of experience in manufacturing pipette tips ensure optimum, reliable compatibility with all common pipettes. Our proven, high-quality tips feature product details such as highly transparent material, clear filling level rings and precise attachment of the pipette cone. Our special purities (Biosphere® plus and PCR Performance Tested), tips made of low-retention material and filter tips are ideal for special applications.

For dosing volumes up to 50 ml, serological pipettes made of crystal-clear polystyrene are available. Individually wrapped and sterile, non-pyrogenic/endotoxin-free and non-cytotoxic, they are particularly suitable for use in cell culture.

Unbreakable transfer pipettes round off our range of liquid handling products. They minimise the risk of injury and ensure low volumes of liquid can be transferred safely.



Liquid handling

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The further developed SARSTEDT pipette tip box is a universal and robust solution at the heart of our new pipette tip system.

Attached box lid – ensures boxes can be easily closed.

Resistant laser marking – enables easy identification of product-relevant information.

Different tray colours – makes it easier to visually identify the right pipette.

Optional rubber feet – provide maximum stability on smooth and slippery surfaces.



One system, four options

- The box – universal and robust
- The SingleRefill – ecological and clean
- The StackPack – economical and space-saving
- The bag – cost-effective and alternative



The Refill Revolution

Maximum precision, sophisticated design and the highest purity are the demands we place on our products.

For over 50 years, we have been manufacturing tailor-made pipette tips. With these years of experience, technical expertise and our state-of-the-art production machines, we have developed a new innovative and flexible refill system. The new concept focuses on sustainability and environmental awareness.

- Energy efficient – our box system combines particularly high stability with minimal material costs. The sophisticated design uses less plastic – and thus also less energy in production!
- Compact – in the StackPack, 480 tips need as much space as 192 tips in 2 boxes. This saves storage space and optimises logistics – and thus also fuel consumption during transport.
- Resource saving – for the production of the StackPack with its ideal packaging, up to 64% less material is required when compared to the box. This conserves resources – minimising plastic consumption!
- Reduces waste – after use, the individual components of the box system can fit into each other. This saves disposal volume – reducing the waste produced!





The box

Pipetting is the central element in every laboratory. The further developed SARSTEDT pipette tip box is a universal and robust solution at the heart of our new pipette tip system. Thanks to a resilient laser marking on each tray, you can view important information such as volume, batch or durability reliably, conveniently and quickly. The box is at the heart of our tip system.



The SingleRefill

Sustainability is a must for today's society. With the new SARSTEDT SingleRefill, you can now also refill filter tips easily and using fewer resources.

The closed design protects the pipette tips from contamination and thus enables hygienic and ecological refilling.

The SingleRefill is the solution for your sustainable laboratory.



The StackPack

High sample throughput requires efficiency. SARSTEDT's StackPack has been the optimal solution for high tip throughputs for years. You can transfer individual trays to the box with one hand. Thanks to the compact and stable design, you can also process the tips directly from the StackPack. The StackPack is the innovation for efficient work.

Optimised design
– Less material



The bag

Maximum flexibility is indispensable. The SARSTEDT bag packaging is the affordable alternative. The popular pressure seal allows you to open and close the bag hygienically. The additional tamper-evident cap gives you the assurance that the tips are guaranteed to be free of contamination until used. The bag is the affordable solution for flexible processes.





Sarpette® M

The SARSTEDT Sarpette® M is a pipetting tool perfectly matched to the SARSTEDT pipette tips.

Variably adjustable volume, ergonomically optimised design and a flexible adjustable ejector make the Sarpette® M a reliable and convenient everyday aid.

With 5 different models ranging from 0.1 µl to 1,000 µl, 2 macro pipettes and various 8- and 12-channel variants, you will find the right pipette for every application.



Automatic Sarpette®

The SARSTEDT Automatic Sarpette® with its ergonomic design makes even prolonged pipetting comfortable and effortless.



Serological pipettes

The SARSTEDT serological pipettes complete the range of liquid handling products for controlled measuring of larger volumes of liquid of up to 50 ml. Individually packed versions in all sizes are available for safe and sterile work.



Transfer pipettes

The SARSTEDT transfer pipettes made of high-density polyethylene (HD-PE) are essential for the safe and practical transfer of liquids in laboratories. The right pipette type for a variety of applications can be found in our standard product range.





Pipette tip 10 µl

Length
Material

31 mm
PP

- Easy peak volume detection thanks to colour-coded tray
- Short, 31 mm tip for the smallest volumes
- Easier checking of volume with volume markings (2 µl and 10 µl)
- Optimum fit ensures compatibility with common pipettes
- Greater pipetting reliability through ISO 8655-2 conformity tests























Filter	Volume	Purity	Surface quality	Colour	Packaging (SP/IB/OC)	SP	Order no.
Yes	2.5 µl		Low retention	☒	96 / 480 / 1,920		70.3010.285
Yes	2.5 µl		Low retention	☒	96 / 480 / 1,920		70.3010.385
Yes	2.5 µl		–	☒	96 / 480 / 1,920		70.3010.265
Yes	2.5 µl		–	☒	96 / 480 / 1,920		70.3010.365
Yes	10 µl		Low retention	☒	96 / 480 / 1,920		70.3010.275
Yes	10 µl		Low retention	☒	96 / 480 / 1,920		70.3010.375
Yes	10 µl		–	☒	96 / 480 / 1,920		70.3010.255
Yes	10 µl		–	☒	96 / 480 / 1,920		70.3010.355
No	10 µl		–	☒	96 / 480 / 1,920		70.3010.305
No	10 µl		–	☒	96 / 480 / 1,920		70.3010.205
No	10 µl		Low retention	☒	480 / 1,920 / 1,920		70.3010.110
No	10 µl		Low retention	☒	96 / 480 / 1,920		70.3010.210
No	10 µl		–	☒	480 / 1,920 / 1,920		70.3010.100
No	10 µl		–	☒	96 / 480 / 1,920		70.3010.200
No	10 µl		–	☒	1,000 / 1,000 / 10,000		70.3010



Pipette tip 20 µl

Length 46 mm
Material PP

- Easy peak volume detection thanks to colour-coded tray
- Length of 46 mm ensures easy pipetting up to the base of the tube
- Easier checking of volume with volume markings (2 µl, 10 µl and 20 µl)
- Optimum fit ensures compatibility with common pipettes
- Greater pipetting reliability through ISO 8655-2 conformity tests

Filter	Volume	Purity	Surface quality	Colour	Packaging (SP/IB/OC)	SP	Order no.
Yes	20 µl		Low retention	☒	96 / 480 / 1,920		70.3020.275
Yes	20 µl		Low retention	☒	96 / 480 / 1,920		70.3020.375
Yes	20 µl		–	☒	96 / 480 / 1,920		70.3020.255
Yes	20 µl		–	☒	96 / 480 / 1,920		70.3020.355
No	20 µl		–	☒	96 / 480 / 1,920		70.3020.305
No	20 µl		–	☒	96 / 480 / 1,920		70.3020.205
No	20 µl		Low retention	☒	480 / 1,920 / 1,920		70.3020.110
No	20 µl		Low retention	☒	96 / 480 / 1,920		70.3020.210
No	20 µl		–	☒	480 / 1,920 / 1,920		70.3020.100
No	20 µl		–	☒	96 / 480 / 1,920		70.3020.200
No	20 µl		–	☒	1,000 / 1,000 / 10,000		70.3020



Pipette tip 200 µl, Type Eppendorf

Length
Material

51 mm
PP

- Easy peak volume detection thanks to colour-coded tray
- Volume limitation through different filter positions reduces the formation of aerosols
- Easier checking of volume with volume markings (10 µl, 50 µl and 100 µl)
- Optimum fit ensures compatibility with common pipettes
- Greater pipetting reliability through ISO 8655-2 conformity tests

Filter	Volume	Purity	Surface quality	Colour	Packaging (SP/IB/OC)	SP	Order no.
Yes	20 µl		Low retention	☒	96 / 480 / 1,920		70.3030.285
Yes	20 µl		Low retention	☒	96 / 480 / 1,920		70.3030.385
Yes	20 µl		–	☒	96 / 480 / 1,920		70.3030.265
Yes	20 µl		–	☒	96 / 480 / 1,920		70.3030.365
Yes	100 µl		Low retention	☒	96 / 480 / 1,920		70.3030.275
Yes	100 µl		Low retention	☒	96 / 480 / 1,920		70.3030.375
Yes	100 µl		–	☒	96 / 480 / 1,920		70.3030.255
Yes	100 µl		–	☒	96 / 480 / 1,920		70.3030.355
No	200 µl		–	☒	96 / 480 / 1,920		70.3030.205
No	200 µl		–	☒	96 / 480 / 1,920		70.3030.305
No	200 µl		Low retention	☒	480 / 1,920 / 1,920		70.3030.110
No	200 µl		Low retention	☒	96 / 480 / 1,920		70.3030.210
No	200 µl		–	☒	480 / 1,920 / 1,920		70.3030.100
No	200 µl		–	☒	96 / 480 / 1,920		70.3030.200
No	200 µl		–	☒	1,000 / 1,000 / 10,000		70.3030
No	200 µl		–	■	1,000 / 1,000 / 10,000		70.3030.020



Pipette tip 250 µl, Type Finnpipette

Length 51 mm
Material PP

- Easy peak volume detection thanks to colour-coded tray
- Volume limitation through different filter positions reduces the formation of aerosols
- Easier checking of volume with volume markings (10 µl, 50 µl and 100 µl)
- Optimum fit ensures compatibility with common pipettes
- Greater pipetting reliability through ISO 8655-2 conformity tests




Filter	Volume	Purity	Surface quality	Colour	Packaging (SP/IB/OC)	SP	Order no.
Yes	200 µl		Low retention	☒	96 / 480 / 1,920		70.3031.275
Yes	200 µl		Low retention	☒	96 / 480 / 1,920		70.3031.375
Yes	200 µl		–	☒	96 / 480 / 1,920		70.3031.255
Yes	200 µl		–	☒	96 / 480 / 1,920		70.3031.355
No	250 µl		–	☒	96 / 480 / 1,920		70.3031.205
No	250 µl		–	☒	96 / 480 / 1,920		70.3031.305
No	250 µl		Low retention	☒	480 / 1,920 / 1,920		70.3031.110
No	250 µl		Low retention	☒	96 / 480 / 1,920		70.3031.210
No	250 µl		–	☒	480 / 1,920 / 1,920		70.3031.100
No	250 µl		–	☒	96 / 480 / 1,920		70.3031.200
No	250 µl		–	☒	1,000 / 1,000 / 10,000		70.3031



Pipette tip 200 µl, long

Length 77 mm
Material PP

- Designed with extra long tips
- Length of 77 mm ensures easy pipetting up to the base of the tube
- Easier checking of volume with volume markings (10 µl, 50 µl, 100 µl and 200 µl)
- Optimum fit ensures compatibility with common pipettes


Filter	Volume	Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
Yes	200 µl		<input checked="" type="checkbox"/>	96 / 96 / 960		70.1189.215
No	200 µl	—	<input checked="" type="checkbox"/>	96 / 96 / 960		70.1189.105



Gelloader pipette tip 200 µl

Length 67 mm
Material PP

- 67 mm fine, extra long capillary
- Ideal to load agarose or SDS gels
- Optimum fit ensures compatibility with common pipettes

Filter	Volume	Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
No	200 µl	—	<input checked="" type="checkbox"/>	96 / 96 / 960		70.1190.100

Pipette tip 300 µl



Length

60 mm

Material

PP

- Extra slim design enables easy pipetting even from narrow collection tubes
- Length of 60 mm ensures easy pipetting up to the base of the tube
- Easier checking of volume with volume markings (20 µl, 50 µl, 100 µl, 200 µl and 300 µl)
- Optimum fit ensures compatibility with common pipettes
- Greater pipetting reliability through ISO 8655-2 conformity tests

Filter	Volume	Purity	Surface quality	Colour	Packaging (SP/IB/OC)	SP	Order no.
Yes	300 µl		Low retention	☒	96 / 480 / 1,920		70.3040.275
Yes	300 µl		Low retention	☒	96 / 480 / 1,920		70.3040.375
Yes	300 µl		–	☒	96 / 480 / 1,920		70.3040.255
Yes	300 µl		–	☒	96 / 480 / 1,920		70.3040.355
No	300 µl		–	☒	96 / 480 / 1,920		70.3040.205
No	300 µl		–	☒	96 / 480 / 1,920		70.3040.305
No	300 µl		Low retention	☒	480 / 1,920 / 1,920		70.3040.110
No	300 µl		Low retention	☒	96 / 480 / 1,920		70.3040.210
No	300 µl		–	☒	480 / 1,920 / 1,920		70.3040.100
No	300 µl		–	☒	96 / 480 / 1,920		70.3040.200
No	300 µl		–	☒	1,000 / 1,000 / 10,000		70.3040



Pipette tip 1,000 µl

Length 72 mm
Material PP

- Easy peak volume detection thanks to colour-coded tray
- Easier checking of volume with volume markings (100 µl, 500 µl and 1000 µl)
- Optimum fit ensures compatibility with common pipettes
- Greater pipetting reliability through ISO 8655-2 conformity tests
- Improved pipetting control due to highly transparent tip material























Filter	Volume	Purity	Surface quality	Colour	Packaging (SP/IB/OC)	SP	Order no.
Yes	1,000 µl		Low retention	☒	96 / 480 / 1,920		70.3050.275
Yes	1,000 µl		Low retention	☒	96 / 480 / 1,920		70.3050.375
Yes	1,000 µl		–	☒	96 / 480 / 1,920		70.3050.255
Yes	1,000 µl		–	☒	96 / 480 / 1,920		70.3050.355
No	1,000 µl		–	☒	96 / 480 / 1,920		70.3050.205
No	1,000 µl		–	☒	96 / 480 / 1,920		70.3050.305
No	1,000 µl		Low retention	☒	480 / 1,920 / 1,920		70.3050.110
No	1,000 µl		Low retention	☒	96 / 480 / 1,920		70.3050.210
No	1,000 µl		–	■	500 / 500 / 5,000		70.3050.020
No	1,000 µl		–	■	500 / 500 / 5,000		70.3050.030
No	1,000 µl		–	☒	480 / 1,920 / 1,920		70.3050.100
No	1,000 µl		–	☒	96 / 480 / 1,920		70.3050.200
No	1,000 µl		–	☒	500 / 500 / 5,000		70.3050



Pipette tip 1,250 µl

Length 90 mm
Material PP

- Easy peak volume detection thanks to colour-coded tray
- Length of 90 mm ensures easy pipetting up to the base of the tube
- Easier checking of volume with volume markings (500 µl, 1000 µl and 1250 µl)
- Optimum fit ensures compatibility with common pipettes
- Greater pipetting reliability through ISO 8655-2 conformity tests









Filter	Volume	Purity	Surface quality	Colour	Packaging (SP/IB/OC)	SP	Order no.
Yes	1,000 µl		Low retention	☒	96 / 480 / 1,920		70.3060.275
Yes	1,000 µl		Low retention	☒	96 / 480 / 1,920		70.3060.375
Yes	1,000 µl		–	☒	96 / 480 / 1,920		70.3060.255
Yes	1,000 µl		–	☒	96 / 480 / 1,920		70.3060.355
No	1,250 µl		–	☒	96 / 480 / 1,920		70.3060.205
No	1,250 µl		–	☒	96 / 480 / 1,920		70.3060.305
No	1,250 µl		Low retention	☒	480 / 1,920 / 1,920		70.3060.110
No	1,250 µl		Low retention	☒	96 / 480 / 1,920		70.3060.210
No	1,250 µl		–	☒	480 / 1,920 / 1,920		70.3060.100
No	1,250 µl		–	☒	96 / 480 / 1,920		70.3060.200
No	1,250 µl		–	☒	500 / 500 / 5,000		70.3060



Pipette tip 1,250 µl, long

Length 103 mm
Material PP

- Length of 103 mm ensures easy pipetting up to the base of the tube
- Easier checking of volume with volume markings (200 µl, 500 µl and 1000 µl)
- Optimum fit ensures compatibility with common pipettes



Filter	Volume	Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
Yes	1,250 µl		<input checked="" type="checkbox"/>	96 / 96 / 768		70.1186.210
Yes	1,250 µl		<input checked="" type="checkbox"/>	384 / 384 / 3,840		70.1186.410
No	1,250 µl		<input checked="" type="checkbox"/>	96 / 96 / 768		70.1186.200
No	1,250 µl	–	<input checked="" type="checkbox"/>	96 / 96 / 3,840		70.1186.100
No	1,250 µl	–	<input checked="" type="checkbox"/>	384 / 384 / 3,840		70.1186



Pipette tip 5 ml, Type Gilson

Length 123 mm
Material PP

- Tip length facilitates access in bottles, cell culture flasks and small tubes
- Optimum fit ensures compatibility with common pipettes
- Easier checking of volume with volume graduations

Filter	Volume	Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
No	5 ml	–	<input checked="" type="checkbox"/>	50 / 50 / 500		70.1183.101
No	5 ml	–	<input checked="" type="checkbox"/>	250 / 250 / 2,500		70.1183.001



Pipette tip 5 ml, Type Eppendorf

Length 123 mm
Material PP

- Tip length facilitates access in bottles, cell culture flasks and small tubes
- Optimum fit ensures compatibility with common pipettes
- Easier checking of volume with volume graduations

Filter	Volume	Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
No	5 ml	–	☒	50 / 50 / 500		70.1183.102
No	5 ml	–	☒	250 / 250 / 2,500		70.1183.002



Pipette tip 10 ml, Type Eppendorf

Length 160.8 mm
Material PP

- Tip length facilitates access in bottles, cell culture flasks and small tubes
- Optimum fit ensures compatibility with common pipettes
- Easier checking of volume with volume graduations

Filter	Volume	Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
No	10 ml	–	☒	25 / 25 / 250		70.1187.101
No	10 ml	–	☒	100 / 100 / 1,000		70.1187.001



Pipette tip 10 ml, Type SARSTEDT

Length 144 mm
Material PP

- Tip length facilitates access in bottles, cell culture flasks and small tubes
- Optimum fit ensures compatibility with common pipettes
- Easier checking of volume with volume graduations

Filter	Volume	Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
No	10 ml	–	■	100 / 100 / 1,000		70.1187.002
No	10 ml	–	■	25 / 25 / 250		70.1187.102



Transfer pipette 1 ml

Bulb volume 0.75 ml
Length 115 mm
Material LD-PE
Droplet size 40 µl - 50 µl
Graduations Yes

- CE-certified *in vitro* diagnostic device, suitable for transferring liquid diagnostic sample material
- 0.1 ml graduations from 0.1 ml to 1.0 ml
- Made of polyethylene without any environmentally harmful substances added
- No risk of injury or infection as it is unbreakable
- The suction bulb can be easily squeezed to ensure effortless pipetting


Purity	Packaging (SP/IB/OC)	SP	Order no.
–	500 / 500 / 2,000		86.1170



Transfer pipette 1 ml

Bulb volume	1 ml
Length	87 mm
Material	LD-PE
Droplet size	30 µl - 45 µl
Graduations	No

- CE-certified *in vitro* diagnostic device, suitable for transferring liquid diagnostic sample material
- Made of polyethylene without any environmentally harmful substances added
- No risk of injury or infection as it is unbreakable
- The suction bulb can be easily squeezed to ensure effortless pipetting


Purity	Packaging (SP/IB/OC)	SP	Order no.
–	750 / 750 / 3,000		86.1179



Transfer pipette 1 ml

Bulb volume	1 ml
Length	104 mm
Material	LD-PE
Droplet size	17 µl - 22 µl
Graduations	No

- CE-certified *in vitro* diagnostic device, suitable for transferring liquid diagnostic sample material
- Made of polyethylene without any environmentally harmful substances added
- No risk of injury or infection as it is unbreakable
- The suction bulb can be easily squeezed to ensure effortless pipetting


Purity	Packaging (SP/IB/OC)	SP	Order no.
–	750 / 750 / 3,000		86.1180



Transfer pipette 2 ml

Bulb volume	2.25 ml
Length	154 mm
Material	LD-PE
Droplet size	35 µl - 45 µl
Graduations	No

- CE-certified *in vitro* diagnostic device, suitable for transferring liquid diagnostic sample material
- Made of polyethylene without any environmentally harmful substances added
- No risk of injury or infection as it is unbreakable
- The suction bulb can be easily squeezed to ensure effortless pipetting

Purity	Packaging (SP/IB/OC)	SP	Order no.
–	750 / 750 / 3,000		86.1176



Transfer pipette 3.5 ml

Bulb volume	3.5 ml
Length	155 mm
Material	LD-PE
Droplet size	35 µl - 55 µl
Graduations	Yes

- CE-certified *in vitro* diagnostic device, suitable for transferring liquid diagnostic sample material
- 0.5 ml graduations from 0.5 ml to 3.0 ml
- Made of polyethylene without any environmentally harmful substances added
- No risk of injury or infection as it is unbreakable
- The suction bulb can be easily squeezed to ensure effortless pipetting

Purity	Packaging (SP/IB/OC)	SP	Order no.
–	500 / 500 / 2,000		86.1171
Sterile	1 / 42 / 840		86.1171.001
Sterile	10 / 300 / 1,200		86.1171.010



Transfer pipette 3.5 ml

Bulb volume	3.5 ml
Length	156 mm
Material	LD-PE
Droplet size	30 µl - 45 µl
Graduations	Yes

- CE-certified *in vitro* diagnostic device, suitable for transferring liquid diagnostic sample material
- 0.25 ml graduations from 0.25 ml to 1.0 ml
- Made of polyethylene without any environmentally harmful substances added
- No risk of injury or infection as it is unbreakable
- The suction bulb can be easily squeezed to ensure effortless pipetting

Purity	Packaging (SP/IB/OC)	SP	Order no.
–	500 / 500 / 2,000		86.1172
Sterile	1 / 42 / 840		86.1172.001
Sterile	10 / 300 / 1,200		86.1172.010



Transfer pipette 3.5 ml

Bulb volume	3.5 ml
Length	155 mm
Material	LD-PE
Droplet size	30 µl - 45 µl
Graduations	No

- CE-certified *in vitro* diagnostic device, suitable for transferring liquid diagnostic sample material
- Made of polyethylene without any environmentally harmful substances added
- No risk of injury or infection as it is unbreakable
- The suction bulb can be easily squeezed to ensure effortless pipetting

Purity	Packaging (SP/IB/OC)	SP	Order no.
–	500 / 500 / 2,000		86.1173



Transfer pipette 6 ml

Bulb volume	5 ml
Length	152 mm
Material	LD-PE
Droplet size	40 µl - 55 µl
Graduations	No

- CE-certified *in vitro* diagnostic device, suitable for transferring liquid diagnostic sample material
- Made of polyethylene without any environmentally harmful substances added
- No risk of injury or infection as it is unbreakable
- The suction bulb can be easily squeezed to ensure effortless pipetting

Purity	Packaging (SP/IB/OC)	SP	Order no.
–	400 / 400 / 1,600		86.1174



Transfer pipette 6 ml

Bulb volume	4.5 ml
Length	146 mm
Material	LD-PE
Droplet size	20 µl - 30 µl
Graduations	No

- CE-certified *in vitro* diagnostic device, suitable for transferring liquid diagnostic sample material
- Made of polyethylene without any environmentally harmful substances added
- No risk of injury or infection as it is unbreakable
- The suction bulb can be easily squeezed to ensure effortless pipetting

Purity	Packaging (SP/IB/OC)	SP	Order no.
–	400 / 400 / 1,600		86.1175
Sterile	1 / 42 / 840		86.1175.001
Sterile	10 / 250 / 1,000		86.1175.010



Serological pipettes in bag

Purity	Sterile
Material	PS
Graduations	Yes

- Easy volume identification using the international colour code on each pipette
- Improved mouthpieces for universal and secure fit in common pipetting aids
- Larger pipetting volume due to negative scaling
- Variable method of work due to counter scaling

Working volume	Design	Colour code	Packaging (SP/IB/OC)	SP	Order no.
1 ml	With tip, plugged	■	25 / 25 / 1,000		86.1251.025
2 ml	With tip, plugged	■	25 / 25 / 1,000		86.1252.025
5 ml	With tip, plugged	■	25 / 25 / 500		86.1253.025
10 ml	With tip, plugged	■	25 / 25 / 500		86.1254.025
25 ml	With tip, plugged	■	20 / 20 / 200		86.1685.020
5 ml	Without tip, plugged	–	10 / 10 / 500		86.1687.010
10 ml	Without tip, plugged	–	10 / 10 / 500		86.1688.010



Serological pipettes, individually wrapped

Design	With tip, plugged
Purity	Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic
Material	PS
Graduations	Yes

- Simple volume identification using the international colour code on each pipette and blister packaging
- Improved mouthpieces for universal and secure fit in common pipetting aids
- Larger pipetting volume due to negative scaling
- Variable method of work due to counter scaling
- Easy-to-open, anti-static packaging

Working volume	Colour code	Packaging (SP/IB/OC)	SP	Order no.
1 ml	■	1 / 100 / 1,000		86.1251.001
2 ml	■	1 / 100 / 1,000		86.1252.001
5 ml	■	1 / 50 / 500		86.1253.001
10 ml	■	1 / 50 / 500		86.1254.001
25 ml	■	1 / 25 / 200		86.1685.001
50 ml	■	1 / 30 / 90		86.1256.001



Demeter pipette

Working volume	1.1 ml
Purity	Sterile
Material	PS
Graduations	Yes

- Optimised graduations for creating dilution series
- For bacteriological testing e.g. in food laboratories
- Cotton plugs for a lower risk of contamination

Design	Packaging (SP/IB/OC)	SP	Order no.
With tip, plugged	25 / 25 / 1,000		86.1686.025
Without tip, plugged	25 / 25 / 1,000		86.1686.225



Aspiration pipette

Working volume	2 ml
Design	With tip, unplugged
Purity	Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic
Material	PS
Graduations	No

- For transferring liquid with no need for precision
- For the aspiration of liquids using a vacuum pump
- Without print, without cotton plug

Packaging (SP/IB/OC)	SP	Order no.
1 / 100 / 1,000		86.1252.011



Sarpette® M single-channel

Autoclavable	Yes
Volume setting	Variable

- Flexible and adjustable tip ejection
- Natural and comfortable ejection position
- Accurate and precise pipetting
- Fast and accurate volume adjustment

Number of channels	Min. volume	Max. volume	Coding colour	Packaging (SP/IB/OC)	SP	Order no.
Single-channel	0.1 µl	2 µl	■	1 / 1 / 1		90.3100.002
Single-channel	0.5 µl	10 µl	■	1 / 1 / 1		90.3100.010
Single-channel	2 µl	20 µl	■	1 / 1 / 1		90.3100.020
Single-channel	10 µl	100 µl	■	1 / 1 / 1		90.3100.100
Single-channel	20 µl	200 µl	■	1 / 1 / 1		90.3100.200
Single-channel	100 µl	1,000 µl	■	1 / 1 / 1		90.3100.000
Single-channel	0.5 ml	5 ml	■	1 / 1 / 1		90.3100.555
Single-channel	1 ml	10 ml	■	1 / 1 / 1		90.3100.111



Sarpette® M multi-channel

Autoclavable Yes
Volume setting Variable

- Free moving and smooth running pipetting push button
- Simple and safe calibration
- Compatible and compliant
- Colour coding for easy volume identification

Number of channels	Min. volume	Max. volume	Coding colour	Packaging (SP/IB/OC)	SP	Order no.
8-channel	0.5 µl	10 µl	■	1 / 1 / 1		90.3108.010
8-channel	20 µl	200 µl	■	1 / 1 / 1		90.3108.200
8-channel	30 µl	300 µl	■	1 / 1 / 1		90.3108.300
12-channel	0.5 µl	10 µl	■	1 / 1 / 1		90.3112.010
12-channel	20 µl	200 µl	■	1 / 1 / 1		90.3112.200
12-channel	30 µl	300 µl	■	1 / 1 / 1		90.3112.300



Accessories for Sarpette® M

- Easy disassembly and cleaning
- Compatible with common pipettes from other manufacturers
- Anti-slip feet provide maximum stability

Suitable for	Storage capacity	Packaging (SP/IB/OC)	SP	Order no.
Single-channel pipettes up to 1,000 µl	6	1 / 1 / 4		95.1760.200
Single and multi-channel pipettes	3	1 / 1 / 4		95.1760.201



Automatic Sarpette®

Description	Pipetting aids
Set components	Charging cable, table stand, wall holder, replacement filters 0.45 µm and 0.2 µm
Power supply	100/240 V
Frequency	50 Hz - 60 Hz
Battery type	Nickel metal hydride battery

- Ergonomic design and optimal weight distribution
- One-handed operation for convenient use
- Users can choose from three different pump speeds
- Precise and responsive control of filling and dispensing speed
- All plastic and glass pipettes fit perfectly in the silicone pipette holder with graduated steps

Product name	Packaging (SP/IB/OC)	SP	Order no.
Automatic Sarpette®	1 / 1 / 1		90.189.200
Automatic Sarpette® GB	1 / 1 / 1		90.189.202
Automatic Sarpette® US	1 / 1 / 1		90.189.203
Automatic Sarpette® AUS	1 / 1 / 1		90.189.204

Accessories for Automatic Sarpette®



Suitable for Automatic Sarpette®

- Replacement filter for maintaining the liquid barrier to protect the pipetting aid
- All plastic and glass pipettes fit perfectly in the silicone adapter with graduated steps
- Replaceable battery for continuous power

Description	Pore size	Packaging (SP/IB/OC)	SP	Order no.
Replacement filter	0.45 µm	5 / 5 / 500		90.189.220
Replacement filter	0.2 µm	5 / 5 / 500		90.189.221
Silicone adapter	–	1 / 1 / 100		90.189.222
Replacement battery	–	2 / 2 / 100		90.189.223



Steady growth

A basic requirement for the successful cultivation of cells *in vitro* is to simulate the *in vivo* environment of each cell type as closely as possible. To meet the requirements of as many cell types as possible, SARSTEDT offers colour-coded flasks, dishes and plates with three different growth surfaces.

The miniPERM® bioreactor is an easy-to-handle system for cultivating cells in high densities. The division of the bioreactor into the production and nutrient module as well as rotating cultivation result in high concentrations of cells and their products in small volumes.

The x-well cell culture system forms single and multiple chamber vessels with different growth surfaces from various slide material options in combination with a polystyrene frame.

The lumox® cell culture products feature an ultra-thin, gas-permeable film base. In addition to improved cell growth thanks to optimal gas exchange, the lumox® range also features excellent optical properties, such as minimal autofluorescence and high transparency.

The SARSTEDT Filtropur range offers various options for filtering aqueous solutions, e.g. for the sterile filtration of cell culture media. Depending on the application and volume, you can select from a variety of pore sizes and systems.

There is also a wide range of accessories for cell culture available to you.



Cell and tissue culture

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Large, frosted labelling fields for the easy identification of the cells in the incubator.

Anti-drip edge to minimise the risk of contamination.

All corners can be reached with serological pipettes and cell scrapers thanks to the optimised flask shape.

Stacking edge on the flasks allow them to be stored securely on top of each other.

Liquid level can be easily checked with the printed white scaling on one side and engraved scaling on the other side.



2-position screw cap: Can be switched between the gas-tight closure and ventilation position.



Filter cap with membrane for continuous gas exchange.

- User-friendly quick-release cap: Opening and closing with just one-third of a turn
- Marking the growth surface using a lid colour allows the bottles to be identified after the packaging has been removed

The right surface for your cells

- Optimised growth surfaces tailored to the needs of various cell types
- SARSTEDT colour-guided system for clear identification of the collection tubes even after they have been removed from the packaging
 - Standard surface for adherent cells
 - Cell+ surface for challenging adherent cells
 - Suspension culture surface



Growth surfaces

To keep cells happy, selecting a suitable cultivation surface is essential. Regardless of whether suspension cells, adherent or particularly sensitive cells are to be grown, they all have different requirements of their environment.

Adherent cells have a wide variety of demands on their growth surface. While most adherent cell lines can be cultivated on the red standard surface, primary cells, sensitive cell culture lines and cells that are cultivated under serum-reduced or serum-free conditions are particularly challenging and need more support to grow successfully on the surface. In these cases, the growth surface often has to be coated with proteins (e.g. polylysine). The properties of the SARSTEDT Cell+ surface (yellow) can eliminate the need for self-coated culture vessels in many cases, which makes cultivation easier and yields more reproducible results. A special treatment of the plastic surface introduces additional polar groups into the hydrophilic surface so that challenging adherent cells can adhere and grow without an additional coating of protein.

The green surface is ideal for cultivating suspension cells. This hydrophobic surface minimises cell losses during subcultivation caused by the unwanted microadhesion of cells.



Cell and
tissue culture



Cell culture flasks, dishes and plates

To cultivate your cells, SARSTEDT offers a wide range of flasks, dishes and plates made of high-quality, transparent polystyrene. Many formats are available with all three SARSTEDT growth surfaces.

Every single container can be easily identified by labelling with the SARSTEDT colour-guided system, the batch number and the expiry date even after it has been removed from the packaging.



BIOFLOAT™ cell culture surface

The new BIOFLOAT™ cell culture surface for spheroid culture features a high-grade anti-adhesive property. This makes it possible for the cultivated cells to form primarily cell-cell contacts without adhering to the surface of the vessel. BIOFLOAT™ thus makes it possible for you to produce perfect spheroids quickly and reproducibly.

BIOFLOAT™ is used in a variety of fields of biomedical research such as cancer and stem cell research, in the preclinical phase of drug research and in toxicological studies. The efficiency and reliability of preclinical cell models are improved for these applications.

lumox® and x-well technology

lumox® cell culture products feature a thin, gas-permeable film base. The short diffusion paths and good gas exchange ensure optimum cell growth.

The lumox® film bases also have excellent optical properties. The minimal autofluorescence and high light transmission result in a high sensitivity with fluorescence-based assays.

SARSTEDT offers lumox® dishes and plates as well as x-well cell culture chambers for direct cultivation and analysis of cells on a slide. In addition to lumox®, the x-well cell culture chambers are also available with slides made of different materials as well as with different attachments.

miniPERM® bioreactor

The SARSTEDT miniPERM® is an easy-to-handle bioreactor for cultivating eucaryotic suspension cells at a high density with the aim of producing proteins, viruses or biomass.

The miniPERM® bioreactor consists of a production and a nutrient module connected by a dialysis membrane. It enables the production of highly concentrated cell products in the small volume of the production module while optimally supplying the cells with nutrients from the nutrient module. The gas is exchanged through a gas-permeable silicone membrane on the outside of the production module.





TC inserts

Tissue culture (TC) inserts are easy-to-use inserts for TC plates. When used in combination with our TC plates, the TC inserts form a 2-compartment cell culture system in which the *in vivo* situation of cells can be simulated extremely well.



Cell scraper

Cell scrapers are used to easily and gently detach intact cell monolayers from cell culture flasks, dishes, plates and tubes. The soft flexible blade minimises the occurrence of cell damage and is therefore a suitable and quick alternative to enzymatic detachment of cells.



Cell strainers

The cell strainers are an innovative, quick and easy-to-use solution for collecting single-cell suspensions, e.g. for primary cell cultures or flow cytometric analyses. They have a high-quality nylon strainer and are available in pore sizes 40, 70 and 100 μm .



Filtration

SARSTEDT Filtropur offers filtration products for various volumes and applications. The range includes Filtropur V for vacuum filtration and the syringe filters Filtropur S and Filtropur L for pressure filtration.

The products are particularly suitable for filtering aqueous solutions such as cell culture media.





Cell culture flasks, T-25

Growth area	25 cm ²
Material	PS
Closure material	PE
Working volume	7 ml - 12.5 ml

- With bevelled neck to prevent overflowing of the medium and associated contamination; facilitates work through fields for labelling and high traceability using lot no. and expiry date on each bottle
- Bottle geometry allows all corners to be reached with serological pipettes or cell scrapers
- Quick-closure cap - in the filter cap and 2-position screw cap versions - allows opening and closing with 1/3 rotation
- Available with three different growth surfaces, clear identification through the coloured lid
- Packed in a resealable minigrip bag, sealed with a tamper-evident closure before opening for the first time

Surface	Colour code	Cell type	Closure	Purity	Packaging (SP/IB/OC)	SP	Order no.
Standard	■	Adherent cells	2-position screw cap		10 / 10 / 300		83.3910
Standard	■	Adherent cells	Filter cap		10 / 10 / 300		83.3910.002
Cell+	■	Challenging adherent cells	2-position screw cap		10 / 10 / 300		83.3910.300
Cell+	■	Challenging adherent cells	Filter cap		10 / 10 / 300		83.3910.302
Suspension	■	Suspension cells	2-position screw cap		10 / 10 / 300		83.3910.500
Suspension	■	Suspension cells	Filter cap		10 / 10 / 300		83.3910.502



Cell culture flasks, T-75

Growth area	75 cm ²
Material	PS
Closure material	PE
Working volume	21 ml - 55 ml

- With bevelled neck to prevent overflowing of the medium and associated contamination; facilitates work through fields for labelling and high traceability using lot no. and expiry date on each bottle
- Bottle geometry allows all corners to be reached with serological pipettes or cell scrapers
- Quick-closure cap - in the filter cap and 2-position screw cap versions - allows opening and closing with 1/3 rotation
- Available with three different growth surfaces, clear identification through the coloured lid
- Packed in a resealable minigrip bag, sealed with a tamper-evident closure before opening for the first time

Surface	Colour code	Cell type	Closure	Purity	Packaging (SP/IB/OC)	SP	Order no.
Standard	■	Adherent cells	2-position screw cap		5 / 5 / 100		83.3911
Standard	■	Adherent cells	Filter cap		5 / 5 / 100		83.3911.002
Cell+	■	Challenging adherent cells	2-position screw cap		5 / 5 / 100		83.3911.300
Cell+	■	Challenging adherent cells	Filter cap		5 / 5 / 100		83.3911.302
Suspension	■	Suspension cells	2-position screw cap		5 / 5 / 100		83.3911.500
Suspension	■	Suspension cells	Filter cap		5 / 5 / 100		83.3911.502



Cell culture flasks, T-175

Growth area	175 cm ²
Material	PS
Closure material	PE
Working volume	50 ml - 125 ml

- With bevelled neck to prevent overflowing of the medium and associated contamination; facilitates work through fields for labelling and high traceability using lot no. and expiry date on each bottle
- Bottle geometry allows all corners to be reached with serological pipettes or cell scrapers
- Quick-closure cap - in the filter cap and 2-position screw cap versions - allows opening and closing with 1/3 rotation
- Available with three different growth surfaces, clear identification through the coloured lid
- Packed in a resealable minigrip bag, sealed with a tamper-evident closure before opening for the first time

Surface	Colour code	Cell type	Closure	Purity	Packaging (SP/IB/OC)	SP	Order no.
Standard	■	Adherent cells	2-position screw cap		5 / 5 / 40		83.3912
Standard	■	Adherent cells	Filter cap		5 / 5 / 40		83.3912.002
Cell+	■	Challenging adherent cells	2-position screw cap		5 / 5 / 40		83.3912.300
Cell+	■	Challenging adherent cells	Filter cap		5 / 5 / 40		83.3912.302
Suspension	■	Suspension cells	2-position screw cap		5 / 5 / 40		83.3912.500
Suspension	■	Suspension cells	Filter cap		5 / 5 / 40		83.3912.502

Cell culture flasks, accessories



Material	HD-PE
Closure	2-position screw cap
Filter	No

- For gas-tight sealing or gas exchange
- User-friendly quick-release cap enables opening and closing with just one-third of a turn
- Perceptible "click" confirms that the cap is firmly on the flask
- Haptic and visual inspection of the cap position

Suitable for	Purity	Packaging (SP/IB/OC)	SP	Order no.
Cell culture flask T-25		1 / 25 / 100		83.3990.025
Cell culture flask T-75		1 / 25 / 100		83.3990.075
Cell culture flask T-175		1 / 25 / 100		83.3990.175

Cell culture dish 35



Growth area	9.4 cm²
Material	PS
Ø x height	35 x 10 mm
Grid	Without

- The SUREGrip is a raised, rough ring around the base that allows for secure and convenient handling of the two parts of the dish
- Arrows on the lid and dish allow for correct positioning of the two parts
- Easily stackable and easily traceable with the lot no. and expiry date on each dish
- Available with different growth surfaces, easy to identify thanks to clear colour markings
- Packed in a resealable minigrip bag, sealed with a tamper-evident closure before opening for the first time

Surface	Colour code	Cell type	Purity	Packaging (SP/IB/OC)	SP	Order no.
Standard	■	Adherent cells		10 / 10 / 500		83.3900
Cell+	■	Challenging adherent cells		10 / 10 / 500		83.3900.300
Suspension	■	Suspension cells		10 / 10 / 500		83.3900.500

Cell culture dish 60



Growth area	22.1 cm²
Material	PS
Ø x height	60 x 15 mm
Grid	Without

- The SUREGrip is a raised, rough ring around the base that allows for secure and convenient handling of the two parts of the dish
- Arrows on the lid and dish allow for correct positioning of the two parts
- Easily stackable and easily traceable with the lot no. and expiry date on each dish
- Available with three different growth surfaces, easy to identify thanks to clear colour markings
- Packed in a resealable minigrip bag, sealed with a tamper-evident closure before opening for the first time

Surface	Colour code	Cell type	Purity	Packaging (SP/IB/OC)	SP	Order no.
Standard	■	Adherent cells		10 / 10 / 500		83.3901
Cell+	■	Challenging adherent cells		10 / 10 / 500		83.3901.300
Suspension	■	Suspension cells		10 / 10 / 500		83.3901.500

Cell culture dish 100



Growth area	58.8 cm ²
Material	PS
Ø x height	100 x 20 mm
Grid	Without

- The SUREGrip is a raised, rough ring around the base that allows for secure and convenient handling of the two parts of the dish
- Arrows on the lid and dish allow for correct positioning of the two parts
- Easily stackable and easily traceable with the lot no. and expiry date on each dish
- Available with three different growth surfaces, easy to identify thanks to clear colour markings
- Packed in a resealable minigrip bag, sealed with a tamper-evident closure before opening for the first time

Surface	Colour code	Cell type	Purity	Packaging (SP/IB/OC)	SP	Order no.
Standard	■	Adherent cells		10 / 10 / 300		83.3902
Cell+	■	Challenging adherent cells		10 / 10 / 300		83.3902.300
Suspension	■	Suspension cells		10 / 10 / 300		83.3902.500

Cell culture dish 150



Growth area	151.4 cm ²
Material	PS
Ø x height	150 x 20 mm
Grid	Without

- The SUREGrip is a raised, rough ring around the base that allows for secure and convenient handling of the two parts of the dish
- Arrows on the lid and dish allow for correct positioning of the two parts
- Easily stackable and easily traceable with the lot no. and expiry date on each dish
- Available with three different growth surfaces, easy to identify thanks to clear colour markings
- Packed in a resealable minigrip bag, sealed with a tamper-evident closure before opening for the first time

Surface	Colour code	Cell type	Purity	Packaging (SP/IB/OC)	SP	Order no.
Standard	■	Adherent cells		5 / 5 / 100		83.3903
Cell+	■	Challenging adherent cells		5 / 5 / 100		83.3903.300

Cell culture dishes with grid



Surface	Standard
Colour code	Red
Cell type	Adherent cells
Material	PS
Grid	With

- Cell culture dishes for adherent cell growth with grid (2 x 2 mm) for cloning experiments
- The SUREGrip is a raised, rough ring around the base that allows for secure and convenient handling of the two parts of the dish
- Arrows on the lid and dish allow for correct positioning of the two parts
- Easily stackable and easily traceable with the lot no. and expiry date on each dish
- Packed in a resealable minigrip bag, sealed with a tamper-evident closure before opening for the first time

Growth area	Ø x height	Purity	Packaging (SP/IB/OC)	SP	Order no.
9.4 cm ²	35 x 10 mm		10 / 10 / 500		83.3900.002
22.1 cm ²	60 x 15 mm		10 / 10 / 500		83.3901.002

Cell scraper



Blade	2-position blade
Stem material	PS
Blade material	TPE
Purity	Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic

- With a cell-friendly blade made of highly flexible, rubber-like material
- Easy to switch the blade from the scraper to the lifter position
- Ergonomic polystyrene handle with ribbed, anti-slip handpiece

Size	Length of the blade	Length of the stem	Packaging (SP/IB/OC)	SP	Order no.
S	1.35 cm	24 cm	1 / 1 / 100		83.3950
M	1.7 cm	24 cm	1 / 1 / 100		83.3951
L	1.7 cm	36 cm	1 / 1 / 100		83.3952

Cell culture plates, 6-well



Growth area per well	9.07 cm²
Material	PS
Number of wells	6
Base shape	Flat base
Working volume	4 ml

- In the ANSI/SLAS standard, suitable for applications in device holders
- Available with three different growth surfaces, easy to identify thanks to clear colour markings
- Free-standing recesses with alphanumerically labelled wells minimise the risk of contamination during pipetting
- Condensation rings and ventilation cams in the lid ensure the constant exchange of gas while minimising evaporation
- For better traceability, each plate is labelled with a batch number and expiry date

Surface	Colour code	Cell type	Purity	Packaging (SP/IB/OC)	SP	Order no.
Standard	■	Adherent cells		1 / 1 / 50		83.3920
Standard	■	Adherent cells		5 / 5 / 100		83.3920.005
Cell*	■	Challenging adherent cells		1 / 1 / 50		83.3920.300
Suspension	■	Suspension cells		1 / 1 / 50		83.3920.500

Cell culture plates, 12-well



Growth area per well	3.65 cm²
Material	PS
Number of wells	12
Base shape	Flat base
Working volume	2 ml

- In the ANSI/SLAS standard, suitable for applications in device holders
- Condensation rings and ventilation cams in the lid ensure the constant exchange of gas while minimising evaporation
- For better traceability, each plate is labelled with a batch number and expiry date
- Free-standing recesses with alphanumerically labelled wells minimise the risk of contamination during pipetting
- Available with three different growth surfaces, easy to identify thanks to clear colour markings









Surface	Colour code	Cell type	Purity	Packaging (SP/IB/OC)	SP	Order no.
Standard	■	Adherent cells		1 / 1 / 50		83.3921
Standard	■	Adherent cells		5 / 5 / 100		83.3921.005
Cell*	■	Challenging adherent cells		1 / 1 / 50		83.3921.300
Suspension	■	Suspension cells		1 / 1 / 50		83.3921.500

Cell culture plates, 24-well



Growth area per well	1.82 cm ²
Material	PS
Number of wells	24
Base shape	Flat base
Working volume	1 ml

- In the ANSI/SLAS standard, suitable for applications in device holders
- Condensation rings and ventilation cams in the lid ensure the constant exchange of gas while minimising evaporation
- For better traceability, each plate is labelled with a batch number and expiry date
- Free-standing recesses with alphanumerically labelled wells minimise the risk of contamination during pipetting
- Available with three different growth surfaces, easy to identify thanks to clear colour markings









Surface	Colour code	Cell type	Purity	Packaging (SP/IB/OC)	SP	Order no.
Standard	■	Adherent cells		1 / 1 / 50		83.3922
Standard	■	Adherent cells		5 / 5 / 100		83.3922.005
Cell+	■	Challenging adherent cells		1 / 1 / 50		83.3922.300
Suspension	■	Suspension cells		1 / 1 / 50		83.3922.500

Cell culture plates, 48-well



Growth area per well	0.64 cm ²
Material	PS
Number of wells	48
Base shape	Flat base
Working volume	0.5 ml

- In the ANSI/SLAS standard, suitable for applications in device holders
- Condensation rings and ventilation cams in the lid ensure the constant exchange of gas while minimising evaporation
- For better traceability, each plate is labelled with a batch number and expiry date
- Free-standing recesses with alphanumerically labelled wells minimise the risk of contamination during pipetting
- Available with three different growth surfaces, easy to identify thanks to clear colour markings

Surface	Colour code	Cell type	Purity	Packaging (SP/IB/OC)	SP	Order no.
Standard	■	Adherent cells		1 / 1 / 50		83.3923
Standard	■	Adherent cells		5 / 5 / 100		83.3923.005
Cell+	■	Challenging adherent cells		1 / 1 / 50		83.3923.300
Suspension	■	Suspension cells		1 / 1 / 50		83.3923.500

Cell culture plates, 96-well



Material PS
Number of wells 96

- In the ANSI/SLAS standard, suitable for applications in device holders
- Condensation rings and ventilation cams in the lid ensure the constant exchange of gas while minimising evaporation
- For better traceability, each plate is labelled with a batch number and expiry date
- Free-standing recesses with alphanumerically labelled wells minimise the risk of contamination during pipetting
- Available with three different growth surfaces and with flat, round or conical bases

Surface	Colour code	Cell type	Growth area per well	Base shape	Working volume	Purity	Packaging (SP/IB/OC)	SP	Order no.
Standard	■	Adherent cells	0.29 cm ²	Flat base	0.2 ml		1 / 1 / 50		83.3924
Standard	■	Adherent cells	0.29 cm ²	Flat base	0.2 ml		5 / 5 / 100		83.3924.005
Standard	■	Adherent cells	–	Round base	–		1 / 1 / 50		83.3925
Standard	■	Adherent cells	–	Conical	–		1 / 1 / 50		83.3926
Cell*	■	Challenging adherent cells	0.29 cm ²	Flat base	0.2 ml		1 / 1 / 50		83.3924.300
Suspension	■	Suspension cells	0.29 cm ²	Flat base	0.2 ml		1 / 1 / 50		83.3924.500
Suspension	■	Suspension cells	–	Round base	–		1 / 1 / 50		83.3925.500
Suspension	■	Suspension cells	–	Conical	–		1 / 1 / 50		83.3926.500

BIOFLOAT™ cell culture plate, 96-well



Surface BIOFLOAT™
Cell type Spheroid culture
Material PS
Number of wells 96
Base shape Round base
Working volume 0.1 ml - 0.2 ml
Purity Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic

- The robust BIOFLOAT™ coating forms an anti-adhesive surface for forming spheroid cultures
- Spheroids are formed quickly, reproducibly and reliably even from challenging cells
- Free-standing recesses with alphanumerically labelled wells minimise the risk of contamination during pipetting
- Condensation rings and ventilation cams in the lid ensure the constant exchange of gas while minimising evaporation
- In the ANSI/SLAS standard, suitable for applications in device holders

Packaging (SP/IB/OC)	SP	Order no.
1 / 4 / 24		83.3925.400

TC inserts, 6-well



Suitable for
Material of the membrane
Frame material
Growth area
Working volume, insert
Working volume, well
Purity

6-well plates
PET
PS
4.5 cm²
1 ml - 4 ml
2.4 ml - 4.8 ml
Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic

- Inserts for cell culture plates form a 2-compartment system to simulate the *in vivo* situation in complex experiments in cell and tissue culture
- Surface treatment on both sides (TC treatment) for better cell adhesion
- High chemical resistance ensures that cells can be easily fixated and stained and minimises non-specific binding of molecules
- User-friendly design: stable, transparent casing, asymmetric for easy pipetting, lowered top edge for optimum gas exchange

Pore size	Pore density	Optical properties	Membrane thickness	Packaging (SP/IB/OC)	SP	Order no.
0.4 µm	1 x 10 ⁸	Translucent	12 µm	1 / 24 / 720		83.3930.040
0.4 µm	2 x 10 ⁶	Transparent	12 µm	1 / 24 / 720		83.3930.041
1 µm	2 x 10 ⁶	Transparent	11 µm	1 / 24 / 720		83.3930.101
3 µm	2 x 10 ⁶	Translucent	9 µm	1 / 24 / 720		83.3930.300
5 µm	6 x 10 ⁵	Translucent	10 µm	1 / 24 / 720		83.3930.500
8 µm	2 x 10 ⁵	Translucent	11 µm	1 / 24 / 720		83.3930.800

TC inserts, 12-well



Suitable for
Material of the membrane
Frame material
Growth area
Working volume, insert
Working volume, well
Purity

12-well plates
PET
PS
1.1 cm²
0.2 ml - 0.8 ml
1.2 ml - 2.4 ml
Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic

- Inserts for cell culture plates form a 2-compartment system to simulate the *in vivo* situation in complex experiments in cell and tissue culture
- Surface treatment on both sides (TC treatment) for better cell adhesion
- High chemical resistance ensures that cells can be easily fixated and stained and minimises non-specific binding of molecules
- User-friendly design: stable, transparent casing, asymmetric for easy pipetting, lowered top edge for optimum gas exchange

Pore size	Pore density	Optical properties	Membrane thickness	Packaging (SP/IB/OC)	SP	Order no.
0.4 µm	1 x 10 ⁸	Translucent	12 µm	1 / 48 / 1,440		83.3931.040
0.4 µm	2 x 10 ⁶	Transparent	12 µm	1 / 48 / 1,440		83.3931.041
1 µm	2 x 10 ⁶	Transparent	11 µm	1 / 48 / 1,440		83.3931.101
3 µm	2 x 10 ⁶	Translucent	9 µm	1 / 48 / 1,440		83.3931.300
5 µm	6 x 10 ⁵	Translucent	10 µm	1 / 48 / 1,440		83.3931.500
8 µm	2 x 10 ⁵	Translucent	11 µm	1 / 48 / 1,440		83.3931.800

TC inserts, 24-well



Suitable for	24-well plates
Material of the membrane	PET
Frame material	PS
Growth area	0.3 cm ²
Working volume, insert	0.1 ml - 0.4 ml
Working volume, well	0.8 ml - 1.6 ml
Purity	Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic

- Inserts for cell culture plates form a 2-compartment system to simulate the *in vivo* situation in complex experiments in cell and tissue culture
- Surface treatment on both sides (TC treatment) for better cell adhesion
- High chemical resistance ensures that cells can be easily fixated and stained and minimises non-specific binding of molecules
- User-friendly design: stable, transparent casing, asymmetric for easy pipetting, lowered top edge for optimum gas exchange

Pore size	Pore density	Optical properties	Membrane thickness	Packaging (SP/IB/OC)	SP	Order no.
0.4 µm	1 x 10 ⁸	Translucent	12 µm	1 / 48 / 1,440		83.3932.040
0.4 µm	2 x 10 ⁶	Transparent	12 µm	1 / 48 / 1,440		83.3932.041
1 µm	2 x 10 ⁶	Transparent	11 µm	1 / 48 / 1,440		83.3932.101
3 µm	2 x 10 ⁶	Translucent	9 µm	1 / 48 / 1,440		83.3932.300
5 µm	6 x 10 ⁵	Translucent	10 µm	1 / 48 / 1,440		83.3932.500
8 µm	2 x 10 ⁵	Translucent	11 µm	1 / 48 / 1,440		83.3932.800

Coverglasses



Cell type	Adherent cells
Material	PET-G
Purity	Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic

- For cell cultivation, fixation and staining for microscopy
- Made of unbreakable plastic for easy handling
- Surface treatment on both sides (TC treatment) for better cell adhesion
- Good optical properties
- For use in cell culture dishes and plates

Ø	Suitable for	Packaging (SP/IB/OC)	SP	Order no.
25 mm	6-well plates	25 / 200 / 2,000		83.1840
22 mm	6-well plates	25 / 200 / 2,000		83.1840.001
13 mm	6-, 12- and 24-well plates	25 / 200 / 2,000		83.1840.002

Cell strainers



Material of the membrane	Nylon
Frame material	PP
Suitable for	50 ml centrifuge tubes
Membrane diameter	23.16 mm
Filtration surface	4.2 cm ²
Purity	Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic

- For collecting single-cell suspensions
- High-quality nylon strainers with pore sizes 40, 70 and 100 µm, colour coded
- Stackable for multi-level filtration
- Bars on the frame ensure continuous ventilation during filtration, which reduces the risk of overflowing
- Can also be used on 15 ml, 5 ml and FACS tubes with the adapter 83.3945.999

Pore size	Colour of frame	Packaging (SP/IB/OC)	SP	Order no.
40 µm	■	1 / 50 / 600		83.3945.040
70 µm	□	1 / 50 / 600		83.3945.070
100 µm	■	1 / 50 / 600		83.3945.100

Adapter for cell strainers



Material	PP
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- Adapter to use the cell strainers on tubes with a smaller diameter
- For greater compatibility with common tubes in analysis of single-cell suspensions
- Suitable for 15 ml, 5 ml, Ø 17 x 100 mm, Ø 12 x 75 mm FACS tubes

Purity	Packaging (SP/IB/OC)	SP	Order no.
Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic	1 / 25 / 200		83.3945.999

lumox® dish



Material

lumox®

Frame material

PS

Purity

Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic

- Tissue culture dish with lumox® film base
- Low autofluorescence and higher light transmission than polystyrene or glass bases
- Gas-permeable film base guarantees optimum gas exchange
- Cultivation flasks for adherent cells or suspension cells
- Range of applications from normal cell culture to the automated analysis of fluorescence-based cell assays

Product name	Coding colour	Cell type	Growth area	Ø x height	Packaging (SP/IB/OC)	SP	Order no.
lumox® dish 35	■	Adherent cells	6.35 cm ²	35 x 6 mm	5 / 50 / 250		94.6077.331
lumox® dish 35	■	Suspension cells	6.35 cm ²	35 x 6 mm	5 / 50 / 250		94.6077.333
lumox® dish 50	■	Adherent cells	20.35 cm ²	50 x 12 mm	5 / 50 / 200		94.6077.410
lumox® dish 50	■	Suspension cells	20.35 cm ²	50 x 12 mm	5 / 50 / 200		94.6077.305

lumox® multiwell



Cell type

Adherent cells

Material

lumox®

Frame material

PS

Purity

Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic

- Multi-well plates with lumox® film base and black polystyrene body/frame
- In the ANSI/SLAS standard, suitable for applications in device holders
- Low autofluorescence and higher light transmission than polystyrene or glass bases
- Gas-permeable film base guarantees optimum gas exchange
- Range of applications from normal cell culture to the automated analysis of fluorescence-based cell assays

Number of wells	Coding colour	Growth area	Colour of frame	Packaging (SP/IB/OC)	SP	Order no.
24	■	1.9 cm ²	■	1 / 4 / 16		94.6000.014
24	■	1.9 cm ²	■	1 / 1 / 20		94.6110.024
96	■	0.34 cm ²	■	1 / 4 / 16		94.6000.024
96	■	0.34 cm ²	■	1 / 1 / 20		94.6120.096
384	■	0.11 cm ²	■	1 / 4 / 16		94.6000.034
384	■	0.11 cm ²	■	1 / 1 / 20		94.6130.384

x-well cell culture chambers, PCA



Design

Removable frame

Cell type

Material

Frame material

Purity

On PCA slide

Yes

Adherent cells

PCA

PS

Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic

- Cell culture chambers for the analysis of adherent cell growth on slides in the standard format
- Single and multiple-chamber vessels for fluorescence or light microscope analyses of live or fixated cells
- Small compartments for conducting individual examinations or parallel test series in a cost-effective and time-efficient way
- PCA (polyolefin plastic) slides have a lower autofluorescence and a higher chemical resistance than polystyrene
- Chamber can be released from the slide without any tools

Construction	Growth area	Packaging (SP/IB/OC)	SP	Order no.
Bottle	9 cm ²	6 / 6 / 96		94.6140.002
1 well	9 cm ²	6 / 6 / 96		94.6140.102
2 wells	4.4 cm ²	6 / 6 / 96		94.6140.202
4 wells	1.9 cm ²	6 / 6 / 96		94.6140.402
8 wells	0.8 cm ²	6 / 6 / 96		94.6140.802

x-well cell culture chambers, lumox®



Design

Removable frame

Cell type

Material

Frame material

Purity

On lumox® slides

Yes

Adherent cells

lumox®

PS

Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic

- Cell culture chambers for the analysis of adherent cell growth on slides in the standard format
- Single and multiple-chamber vessels for fluorescence or light microscope analyses of live or fixated cells
- Small compartments for conducting individual examinations or parallel test series in a cost-effective and time-efficient way
- Slides with gas-permeable lumox® film bases with minimal autofluorescence and high transparency have excellent optical properties for fluorescence-based cell analyses
- Chamber can be released from the slide without any tools

Construction	Growth area	Packaging (SP/IB/OC)	SP	Order no.
1 well	9 cm ²	6 / 6 / 96		94.6150.101
2 wells	4.4 cm ²	6 / 6 / 96		94.6150.201
4 wells	1.9 cm ²	6 / 6 / 96		94.6150.401
8 wells	0.8 cm ²	6 / 6 / 96		94.6150.801

x-well cell culture chambers, glass



Design	On glass slide
Removable frame	Yes
Cell type	Adherent cells
Material	Soda-lime glass
Frame material	PS
Purity	Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic

- Cell culture chambers for the analysis of adherent cell growth on slides in the standard format
- Single and multiple-chamber vessels for fluorescence or light microscope analyses of live or fixated cells
- Small compartments for conducting individual examinations or parallel test series in a cost-effective and time-efficient way
- Glass slides have minimal autofluorescence and high chemical resistance
- Chamber can be released from the slide without any tools

Construction	Growth area	Packaging (SP/IB/OC)	SP	Order no.
Bottle	9 cm ²	6 / 6 / 96		94.6170.002
1 well	9 cm ²	6 / 6 / 96		94.6170.102
2 wells	4.4 cm ²	6 / 6 / 96		94.6170.202
4 wells	1.9 cm ²	6 / 6 / 96		94.6170.402
8 wells	0.8 cm ²	6 / 6 / 96		94.6170.802

x-well cell culture chambers, coverglass



Design	On coverglass
Removable frame	No
Cell type	Adherent cells
Material	Borosilicate glass
Frame material	PS
Purity	Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic

- Cell culture chambers for the analysis of adherent cell growth on coverglass
- Single and multiple-chamber vessels for fluorescence or light microscope analyses of live or fixated cells
- Small compartments for conducting individual examinations or parallel test series in a cost-effective and time-efficient way
- Slides made of coverglass with thickness of 170 µm for high-resolution and confocal microscopy
- Optimum magnification up to x 1,000x with a chamber attached (100x lens, inverse microscope)

Construction	Growth area	Packaging (SP/IB/OC)	SP	Order no.
Bottle	9 cm ²	6 / 6 / 96		94.6190.002
1 well	9 cm ²	6 / 6 / 96		94.6190.102
2 wells	4.4 cm ²	6 / 6 / 96		94.6190.202
4 wells	1.9 cm ²	6 / 6 / 96		94.6190.402
8 wells	0.8 cm ²	6 / 6 / 96		94.6190.802

flexiPERM® cell culture insert



Material
Purity

Silicone
Non-pyrogenic/endotoxin-free, non-cytotoxic

- Reusable silicone adhesive cell culture inserts to divide cell culture vessels and slides into smaller units
- Can be used for approx. 2 weeks in long-term tests
- Can be sterilised with autoclaving or 70% ethanol
- Heat-resistant (up to 125 °C), cold-resistant (up to -20 °C), high chemical resistance
- Five different formats: flexiPERM® slide and micro12 for parallel examinations on slides, flexiPERM® conA and conB for micromanipulation/injection, flexiPERM® disc for inserting into cell culture dishes for e.g. cocultivation

Product name	Number of wells	Growth area	Packaging (SP/IB/OC)	SP	Order no.
micro 12	12	0.3 cm ²	5 / 5 / 100		94.6011.436
slide	8	0.9 cm ²	5 / 5 / 100		94.6032.039
disc	4	1.8 cm ²	5 / 5 / 100		94.6034.067
con A	1	1.1 cm ²	5 / 5 / 100		94.6077.434
con B	1	3.1 cm ²	5 / 5 / 100		94.6077.435

quadriPERM® cell culture dish



Material
Purity

PS
Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic

- Square tissue culture dish with four compartments and outer dimensions of the ANSI/SLAS standard
- For direct cultivation of suspension cells or cultivation of adherent cells on slides, coverglasses or x-well cell culture chambers
- Many other areas of application: Parallel examinations, incubation on slides, immunohistology/immunocytochemistry, Northern, Southern or Western blotting

Number of wells	Growth area	Packaging (SP/IB/OC)	SP	Order no.
4	24.9 cm ²	12 / 48 / 192		94.6077.307

miniPERM® bioreactor



Application	For protein, virus and biomass production
Design	For suspension cells
Exclusion size	12.5 kDa
Autoclavable	No
Material	PC
Closure material	PP
Material of the dialysis membrane	CA
Purity	Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic

- Easy-to-handle bioreactor for cultivating eucaryotic suspension cells at a high density with the aim of producing proteins, viruses or biomass
- Enables production of highly concentrated cell products in small volumes by dividing the miniPERM® into the production and nutrient module and rotating cultivation on the universal turning device (94.6001.061)
- A dialysis membrane (exclusion size 12.5 kDa) separates the modules by enabling the diffusion of nutrients and small cell metabolites and preventing the transfer of cells and larger cell products from the production module
- The gas is exchanged through a thin silicone membrane on the outside of the production module
- Completed bioreactors with 35 ml and 50 ml production volume, or separate production modules for use with autoclavable nutrient modules

Product name	Production module volume	Nutrient module volume	Packaging (SP/IB/OC)	SP	Order no.
Classic bioreactor	35 ml	400 ml	1 / 2 / 12		94.6001.059
HDC 50 bioreactor	50 ml	400 ml	1 / 2 / 12		94.6077.121
Classic production module	35 ml	–	1 / 4 / 24		94.6001.055
HDC 50 production module	50 ml	–	1 / 4 / 24		94.6077.017



miniPERM® accessories

- Accessories for the easy handling of the miniPERM® bioreactor
- Autoclavable nutrient module for use with the sterile disposable production modules
- Racks to place the miniPERM® bioreactor overhead under the sterile bench ensures easy access to the production module
- Caps, syringes and other consumables
- Accessories are available individually or as a start-up support kit (includes all accessories that are required for initially starting the culture, sampling and harvesting)

Description	Suitable for	Material	Autoclavable	Purity	Packaging (SP/IB/OC)	SP	Order no.
Nutrient module	miniPERM® production module	PC	Yes	Non-pyrogenic/endotoxin-free, non-cytotoxic	1 / 4 / 24		94.6001.153
Racks	miniPERM® bioreactor	ABS	No	–	4 / 4 / 24		94.6001.054
Screw cap	miniPERM® production module	PP	No	Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic	1 / 6 / 90		94.6001.036
Screw cap	miniPERM® nutrient module	PP	No	Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic	1 / 16 / 64		94.6077.037
Luer cannula	miniPERM® bioreactor	VA	No	Sterile, non-pyrogenic/endotoxin-free	1/100/1,200		94.6077.135
Disposable syringe 2 ml	miniPERM® bioreactor	PP	No	Sterile	1 / 100 / 100		94.6077.136
Disposable syringe 50 ml	miniPERM® bioreactor	PP	No	Sterile	1 / 1 / 60		94.6077.137
Filling tube 5''	miniPERM® bioreactor	LD-PE	No	Sterile	1 / 50 / 300		94.6077.138

miniPERM® start-up support kit



Application

Accessories for inoculation, sample collection and harvesting

- Includes all accessories that are required for initially starting the culture in the miniPERM®
- Racks to place the miniPERM® bioreactor overhead under the sterile bench ensures easy access to the production module
- The set can be used for the process of inoculating cells to sampling and harvesting

Set components	Packaging (SP/IB/OC)	SP	Order no.
8 x disposable syringe 50 ml, 20 x disposable syringe 2 ml, 8 x filling tube, 20 x needle, 6 x septum cap, 1 x miniPERM® rack	1 / 1 / 1		94.6001.094

Universal turning device



Suitable for

4 miniPERM® bioreactors

- Universal turning device ensures the continuous rotation of up to four miniPERM® bioreactors
- Rotation keeps the cells in suspension and ensures the optimal supply of oxygen and nutrients and removal of CO₂ and cell metabolites
- Speed of rotation: Can be adjusted between 0.1 and 4.0 rpm
- For use in an incubator, control unit can be placed outside the incubator
- Technical data: Power supply: 115/230 V, 50/60 Hz, Power consumption: 18 VA, Dimensions: Tray (incl. motor and drive shaft): 46 x 26 cm (L x W), control unit: 22 x 10 cm (L x W)








Packaging (SP/IB/OC)	SP	Order no.
1 / 1 / 1		94.6001.061



Vacuum filtration units Filtropur V

Material	PS
Closure material	PP
Material of the membrane	PES
Connection	Step taper
Membrane diameter	90 mm
Filtration surface	63.6 cm ²
Purity	Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic

- Vacuum filtration units Filtropur V for the cold sterilisation of cell culture media and aqueous protein solutions
- Polyethersulfone (PES) membrane ensures a high throughput while also reducing the filtering duration and lowering protein absorption
- Three pore sizes: 0.45 µm for clear filtration/removal of particles, 0.2 µm for cold sterilisation/removal of microorganisms, 0.1 µm for the prevention and removal of mycoplasmas
- Ergonomic, stable, sterile collection bottles
- Flat and wide lid (enclosed) allows the bottles to be stacked to save space

Pore size	Filtration volume	Packaging (SP/IB/OC)	SP	Order no.
0.45 µm	250 ml	1 / 1 / 12		83.3940
0.2 µm	250 ml	1 / 1 / 12		83.3940.001
0.45 µm	500 ml	1 / 1 / 12		83.3941
0.2 µm	500 ml	1 / 1 / 12		83.3941.001
0.1 µm	500 ml	1 / 1 / 12		83.3941.002
0.45 µm	1,000 ml	1 / 1 / 12		83.3942
0.22 µm	1,000 ml	1 / 1 / 12		83.3942.001

Bottle top filter Filtropur BT for vacuum filtration



Material	PS
Material of the membrane	PES
Connection	Step taper
Suitable for	Screw cap 45 mm
Membrane diameter	90 mm
Filtration surface	63.6 cm ²
Purity	Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic

- Bottle top filter Filtropur BT for the vacuum-controlled cold sterilisation of cell culture media and protein aqueous solutions
- Polyethersulfone (PES) membrane ensures a high throughput while also reducing the filtering duration and lowering protein absorption
- Three pore sizes: 0.45 µm for clear filtration/removal of particles, 0.2 µm for cold sterilisation/removal of microorganisms, 0.1 µm for the prevention and removal of mycoplasmas
- For attaching to Filtropur collection vessels and other bottles with a 45-mm thread

Pore size	Filtration volume	Packaging (SP/IB/OC)	SP	Order no.
0.45 µm	250 ml	1 / 1 / 24		83.3940.100
0.2 µm	250 ml	1 / 1 / 24		83.3940.101
0.45 µm	500 ml	1 / 1 / 24		83.3941.100
0.2 µm	500 ml	1 / 1 / 24		83.3941.101
0.1 µm	500 ml	1 / 1 / 24		83.3941.102
0.45 µm	1,000 ml	1 / 1 / 24		83.3942.100
0.2 µm	1,000 ml	1 / 1 / 24		83.3942.101

Collecting containers for vacuum filtration



Closure	Screw cap
Material	PS
Closure material	PP

- Collecting containers for Filtropur BT bottle top filter
- Ergonomic, stable, sterile collection bottles
- With screw-on lid, 45-mm thread
- Flat and wide lid allows the bottles to be stacked to save space
- Three volumes: 250, 500 and 1,000 ml

Volume	Suitable for	Packaging (SP/IB/OC)	SP	Order no.
250 ml	Filtropur BT 25	1 / 1 / 24		83.3940.005
500 ml	Filtropur BT 50	1 / 1 / 24		83.3941.005
1,000 ml	Filtropur BT 100	1 / 1 / 24		83.3942.005



Pressure filtration

Pore size	0.2 µm
Material	PC
Material of the membrane	PES
Pre-filter material	GF
Filtration surface	20 cm ²
Purity	Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic

- Sterile filter Filtropur L for quick filtration of cell culture media and aqueous solutions with a volume of 10 ml up to 10 l
- Polyethersulfone (PES) membrane with glass fibre (GF) pre-filter, pore size: 0.2 µm
- No evidence of protein adsorption and a high flow rate
- Filter inlet: Luer lock or tube connector
- For use in combination with a membrane pump (e.g. 83.1850)

Product name	Tube connection	Packaging (SP/IB/OC)	SP	Order no.
Filtropur L 0.2 S	Tube connector	1 / 10 / 50		83.3944
Filtropur L 0.2 LS	Luer lock	1 / 10 / 50		83.3944.001



Membrane pump

Weight	3.159 kg
Dimensions (L x W x H)	130 x 99 x 177 mm
Suitable for	Filtropur LS
Scope of delivery	Tube set (tube, stainless steel sinker, 5 x tube adaptor on Luer lock for Filtropur L 0.2 LS)

- Power range: Delivery capacity: 0.2 - 1.3 l/min, suction lift: max. 3 mWC, maximum pressure: 6 bar (factory settings of 2.5 bar using overflow valve)
- Materials: Pump head: Polypropylene (PP), membrane: polytetrafluoroethylene (PTFE) coating, valves: ethylene propylene diene rubber (EPDM)
- Technical data: Power supply: 100-240 V, 50-60 Hz, Power consumption: 12-16 W, Protection type: IP65, Protection class: 3
- Permissible liquid temperature: +5 to +80 °C, Maximum permissible viscosity: 150 cST

Packaging (SP/IB/OC)	SP	Order no.
1 / 1 / 1		83.1850

Syringe filter



Material	MBS
Connection	Luer lock
Membrane diameter	28 mm
Filtration surface	6.2 cm ²
Purity	Sterile, non-pyrogenic/endotoxin-free, non-cytotoxic

- Syringe filter Filtropur S for filtering cell culture media, cell culture additives and buffers
- PES membrane with 2 pore sizes: 0.45 µm for ultracleaning and clear filtration, 0.2 µm for sterile filtration; no evidence of protein adsorption and a high flow rate
- Alternatively: Cellulose acetate (CA) membrane (pore size: 0.2 µm) with glass fibre (GF) pre-filter, for sterile filtration and increasing the total filtration volume

Pore size	Material of the membrane	Pre-filter material	Packaging (SP/IB/OC)	SP	Order no.
0.45 µm	PES	–	1 / 50 / 500		83.1826
0.2 µm	PES	–	1 / 50 / 500		83.1826.001
0.2 µm	CA	GF	1 / 50 / 500		83.1826.102



Cell culture tubes: 10 - 15 ml

Material	PS
Closure material	PE
Graduations	No
Purity	Sterile
Labelling area	No
Closure	Standard screw cap
Surface	TC-treated

- For cultivating small cell populations in suspension and monolayer cultures
- Screw cap ensures even ventilation and gas-tight sealing
- Crystal-clear polystyrene to easily visually check the sample material

Volume	Length x Ø	Cap colour	Base shape	Colour	Packaging (SP/IB/OC)	SP	Order no.
10 ml	97 x 16 mm	■	Skirted conical base	☒	5 / 5 / 1,000		83.9923.929
12 ml	99 x 16 mm	■	Round base	☒	5 / 5 / 1,000		83.9923.943
15 ml	125 x 16 mm	■	Round base	☒	5 / 5 / 1,000		83.9923.945



Conical tubes: 15 and 50 ml

Material	PP
Closure material	HD-PE
Graduations	Yes
Purity	Free from DNA/DNase/RNase, free from pyrogens/endotoxins, non-cytotoxic, sterile
Closure	Standard screw cap

- Blue graduated scale for ideal volume reading
- Resilient text field allows clear labelling
- Certified free of DNA, DNase, RNase, PCR inhibitors, pyrogens and non-cytotoxic
- Especially leak tight as per the ADR transport directive

Volume	Length x Ø	Cap colour	Base shape	Colour	Packaging (SP/IB/OC)	SP	Order no.
15 ml	120 x 17 mm	■	Conical base	☒	50 / 50 / 500		62.554.502
15 ml	120 x 17 mm	■	Conical base	☒	50 / 50 / 500		62.554.002
50 ml	114 x 28 mm	■	Conical base	☒	25 / 25 / 300		62.547.254
50 ml	114 x 28 mm	■	Conical base	☒	25 / 25 / 300		62.547.004
50 ml	115 x 28 mm	■	Skirted conical base	☒	25 / 25 / 300		62.559.001



Tube with two-position closure: 5 and 13 ml

Purity	Sterile
Closure	Ventilation cap
Base shape	Round base

- Tube with round base and 2-position closure
- Made of clear polypropylene or polystyrene to easily inspect the sample material
- Ventilation cap with two-position closure
- First position: Ventilation of the inside of the tube through the only lightly fitted push cap
- Second position: Tube tightly sealed by pushing down the push cap

Volume	Length x Ø	Material	Closure material	Graduations	Cap colour	Colour	Packaging (SP/IB/OC)	SP	Order no.
5 ml	75 x 12 mm	PP	HD-PE	No	☒	☒	25 / 25 / 1,000		55.526.006
5 ml	75 x 12 mm	PS	LD-PE	No	☒	☒	25 / 25 / 1,000		55.476.013
5 ml	75 x 12 mm	PP	LD-PE	Yes	☒	☒	1 / 100 / 500		62.526.028
5 ml	75 x 12 mm	PS	HD-PE	Yes	☒	☒	1 / 100 / 500		62.476.028
13 ml	100 x 16 mm	PP	LD-PE	Yes	☒	☒	25 / 25 / 500		62.515.006
13 ml	100 x 16 mm	PP	LD-PE	Yes	☒	☒	1 / 100 / 500		62.515.028



On the hunt for microorganisms

As a branch of biology, one aspect of microbiology is researching and identifying pathogens, as well as looking for suitable treatments. We provide users with the consumables they need to conduct their research.

Swabs are used to collect and transport bacteriological, serological and cytological specimens. They are suitable for use on intact skin, in natural orifices and for swabbing wounds. They can also be used in the food industry during hygiene checks as well as for taking samples of various surfaces.

For the cultivation of microorganisms, we produce Petri dishes from high-quality, crystal-clear polystyrene. Due to their high dimensional stability, they are ideally suited for use in automatic plate pouring systems and can be easily stacked.

In environmental technology, gas samplers are used for taking the accurate volume of gaseous samples for emission and immission measurements, searching for harmful substances at the workplace – MAK (maximum workplace concentration) checks – and for testing process gases. The design of the gas samplers guarantees reliable and physically correct measurement of the sample volume.



Microbiology

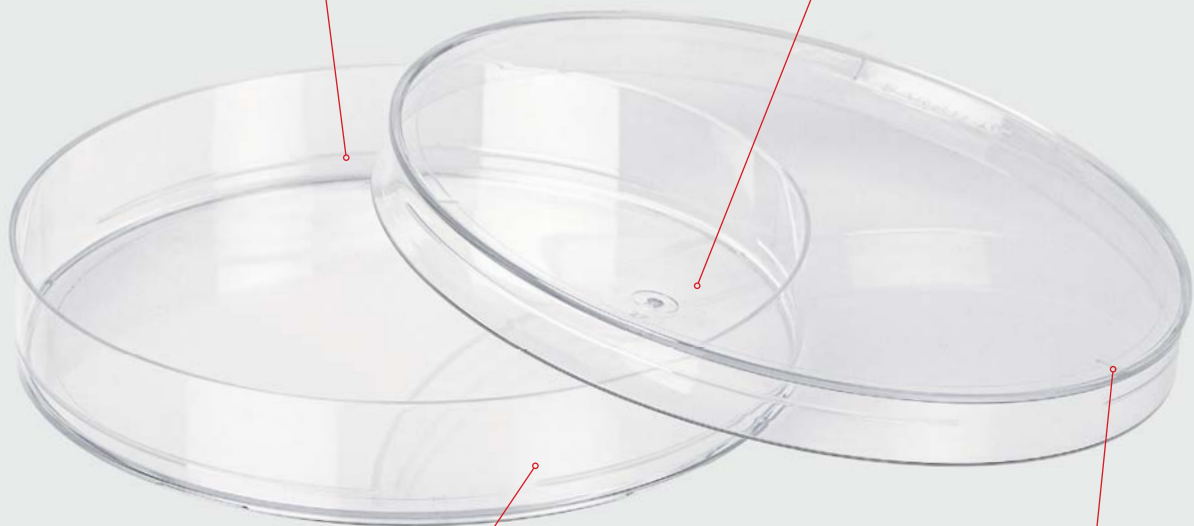
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Petri dishes

Our SARSTEDT Petri dishes made of crystal-clear polystyrene give users a continuous overview when cultivating microorganisms.

The raised skirt on the base and on the lid make them easily stackable.

Compatible with common plate pouring systems.



Crystal-clear polystyrene gives users an optimal view of the growth surface.

Lid with and without ventilation cams for cultivating aerobic and anaerobic microorganisms.

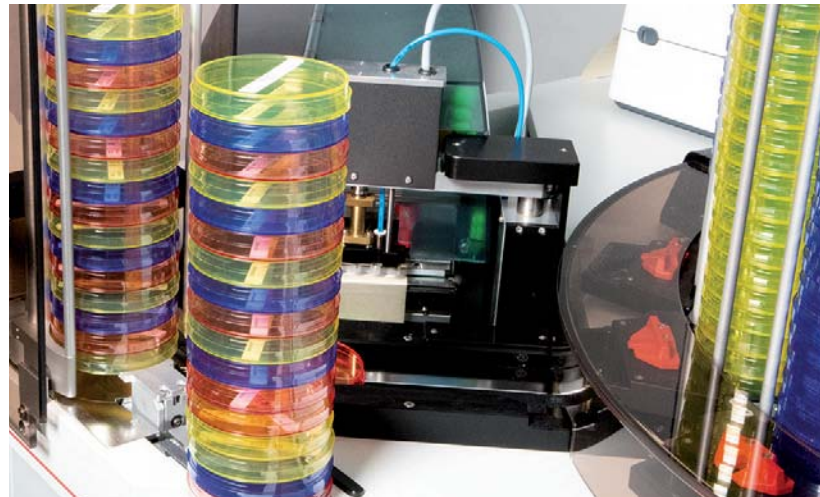
Petri dishes made of crystal-clear polystyrene

- Ideal as a growth surface for a variety of microorganisms
- Available in different sizes for a wide range of applications
- Production under cleanroom conditions in accordance with ISO 14644, class 9



Optimised for automation

The Petri dishes are packed stacked in flow packs. This not only ensures structured processing in the laboratory but also easy filling of plate pouring systems.



DishRacks

Ideal aid for transporting several Petri dishes. The DishRacks make transport safer and easier. Silicone strips ensure the Petri dishes are held firmly.





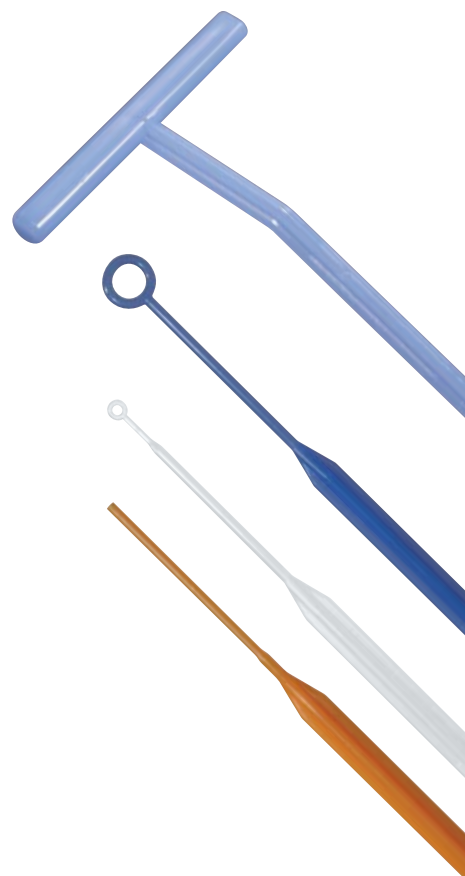
Swabs

SARSTEDT swabs are used to easily collect and safely transport bacteriological and cytological specimens. The swabs are suitable for use on intact skin, in natural orifices and for swabbing wounds. They can also be used in the food industry during hygiene checks as well as for taking samples of various surfaces.



Inoculation tools

Flexible inoculation loops allow swabs to be taken easily or inoculation in liquid media. The inoculation needle can be used to inoculate or remove individual colonies. We recommend using the inoculation spreader to evenly apply larger volumes to culture media.



Gas sampler

Our gas samplers are compact, user-friendly devices for taking physically correct samples according to VDI guidelines. During automatic operation, the devices can be used unattended for sample volumes up to 9,999 litres. A wide selection of accessories completes the range of environmental technology products.



Microbiology






Neutral swabs

Medium
Swab material

No medium
Viscose

- For medical diagnostics or e.g. hygiene monitoring in the food industry
- Rod length and rod material can be selected for the respective application
- Unbreakable polypropylene tube for safe transport

Stem material	Stem length	Packaging (SP/IB/OC)	SP	Order no.
PS	83 mm	500/500/500		80.625
PS	131 mm	100 / 100 / 1,000		80.1301
Aluminium	133 mm	100 / 100 / 1,000		80.1303







Swabs with transport medium

Swab material

Viscose

- Bacteriological swabs with Amies gel medium (either with or without charcoal)
- Suitable for aerobes and anaerobes
- Hourglass shape of the polypropylene tube secures the gel transport medium and prevents the formation of interfering air bubbles; this ensures the survival of oxygen-sensitive pathogens
- Transport tube und enclosed swab in a paper/plastic blister
- 50 blister-packed swabs are also packed in a laminated film gassed with nitrogen to prolong the shelf life

Medium	Stem material	Stem length	Packaging (SP/IB/OC)	SP	Order no.
Amies gel	PS	131 mm	1 / 50 / 500		80.1361
Amies gel	Aluminium	133 mm	1 / 50 / 500		80.1363
Amies gel with charcoal	PS	131 mm	1 / 50 / 500		80.1362
Amies gel with charcoal	Aluminium	133 mm	1 / 50 / 500		80.1366



Inoculation needles

Material PS

- Ideal for transferring very small viable microorganisms (inocula)
- Also suitable for inoculating stab cultures
- Saves time when processing larger test series
- Safe handling - no pathogenic aerosols or cross contamination
- Sterilised by gamma irradiation

Colour	Packaging (SP/IB/OC)	SP	Order no.
■	10 / 500 / 1,000		86.1568.010
■	50 / 1,000 / 2,000		86.1568.050



Inoculation loops

Material PS

- Facilitates swabbing on a Petri dish with a culture medium
- No damage to the culture medium thanks to the smooth and even surface
- Saves time when processing larger test series
- Safe handling - no pathogenic aerosols or cross contamination
- Sterilised by gamma irradiation

Volume	Colour	Packaging (SP/IB/OC)	SP	Order no.
10 µl	■	10 / 500 / 1,000		86.1562.010
10 µl	■	48 / 960 / 1,920		86.1562.050
1 µl	□	10 / 500 / 1,000		86.1567.010
1 µl	□	48 / 960 / 1,920		86.1567.050



Inoculation spreader

Material PS

- Ideal for evenly spreading suspensions with pathogens on the surface of agar plates (e.g. for determining the number of live cells)
- No damage to the culture medium thanks to the smooth and even surface
- Saves time when processing larger test series
- Safe handling - no pathogenic aerosols or cross contamination
- Sterilised by gamma irradiation

Colour	Packaging (SP/IB/OC)	SP	Order no.
■	4 / 4 / 500		86.1569.005

Petri dish 35 x 10 mm



Ø x height

35 x 10 mm

Ventilation cams

Yes

- Suitable for observing the growth of small quantities of samples on culture media
- Made of crystal-clear polystyrene
- Resistant to applications with approx. 60 °C hot and liquid agar
- Petri dishes with twelve ventilation cams in the lid for the optimal gas exchange and reduced condensation
- Sterilised by gamma irradiation

Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
Sterile	☒	20 / 20 / 500		82.1135.500

Petri dish 60 x 15 mm



Ø x height

60 x 15 mm

Ventilation cams

Yes

- Ideal for determining bacterial count using the membrane filter technique
- Made of crystal-clear polystyrene
- Resistant to applications with approx. 60 °C hot and liquid agar
- Petri dishes with six ventilation cams in the lid for optimal gas exchange and reduced condensation
- Sterilised by gamma irradiation

Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
Sterile	☒	20 / 20 / 500		82.1194.500

Petri dish 92 x 16 mm



Ø x height

92 x 16 mm

Ventilation cams

No

- Ideal for cultivating microorganisms on and in solid culture media
- Petri dish without ventilation cams for optimum incubation times
- Fully automated production from crystal-clear polystyrene
- Resistant to applications with approx. 60 °C hot and liquid agar
- Can be stacked and used in common automated plate pouring systems

Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
Sterile	☒	20 / 480 / 480		82.1472.001
-	☒	20 / 480 / 480		82.1472



Petri dish 92 x 16 mm

Ø x height 92 x 16 mm
Ventilation cams Yes

- Ideal for cultivating microorganisms on and in solid culture media
- Petri dishes with three ventilation cams in the lid for optimal gas exchange and reduced condensation
- Fully automated production from crystal-clear polystyrene
- Resistant to applications with approx. 60 °C hot and liquid agar
- Can be easily stacked and used in common automated plate pouring systems

Purity	Graduation	Colour	Packaging (SP/IB/OC)	SP	Order no.
Sterile	–	☒	20 / 480 / 480		82.1473.001
–	–	☒	20 / 480 / 480		82.1473
–	2 compartments	☒	20 / 480 / 480		82.1195
–	–	■	20 / 480 / 480		82.1473.020
–	–	■	20 / 480 / 480		82.1473.040
–	–	■	20 / 480 / 480		82.1473.060
–	–	■	20 / 480 / 480		82.1473.080

Petri dish 150 x 20 mm



Ø x height 150 x 20 mm
Ventilation cams Yes

- Often used for botanical analyses and applications due to the large diameter
- Petri dishes with six ventilation cams in the lid for optimal gas exchange and reduced condensation
- Fully automated production from crystal-clear polystyrene
- Resistant to applications with approx. 60 °C hot and liquid agar
- Sterilised by gamma irradiation

Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
Sterile	☒	10 / 10 / 100		82.1184.500

Petri dish 100 x 100 x 20 mm, square



Length x width x height 100 x 100 x 20 mm
Ventilation cams No

- Often used for botanical analyses and applications due to the large overall surface
- Square Petri dish without ventilation cams for optimum incubation times
- Fully automated production from crystal-clear polystyrene
- Resistant to applications with approx. 60 °C hot and liquid agar
- Sterilised by gamma irradiation






Purity	Colour	Packaging (SP/IB/OC)	SP	Order no.
Sterile	☒	4 / 4 / 160		82.9923.422



DishRack 50

Height	240 mm
Material	PC
Storage capacity	52

- Convenient transport of up to 52 Petri dishes
- Suitable for round Petri dishes with a diameter between 92 - 100 mm
- Made of high-quality, temperature-resistant and unbreakable polycarbonate
- Two flexible silicone strips hold the Petri dishes securely in place
- Can be autoclaved at 121 °C and largely resistant to acids and alkalis






Colour	Packaging (SP/IB/OC)	SP	Order no.
☒	1 / 1 / 1		93.1647
■	1 / 1 / 1		93.1647.001
■	1 / 1 / 1		93.1647.002
■	1 / 1 / 1		93.1647.003
■	1 / 1 / 1		93.1647.004



DishRack 80

Height	370 mm
Material	PC
Storage capacity	88

- Convenient transport of up to 88 Petri dishes
- Suitable for round Petri dishes with a diameter between 92 - 100 mm
- Made of high-quality, temperature-resistant and unbreakable polycarbonate
- Two flexible silicone strips hold the Petri dishes securely in place
- Can be autoclaved at 121 °C and largely resistant to acids and alkalis

Colour	Packaging (SP/IB/OC)	SP	Order no.
☒	1 / 1 / 1		93.1646
■	1 / 1 / 1		93.1646.001
■	1 / 1 / 1		93.1646.002
■	1 / 1 / 1		93.1646.003
■	1 / 1 / 1		93.1646.004



Silicone strips for DishRack

Material

Silicone

- Made of heat-resistant silicone
- Silicone lip serves as a replacement part for DishRack 50
- Integrated holder for e.g. paper strips measuring 240 x 58 mm for labelling
- Can be autoclaved at 121 °C

Suitable for	Colour	Packaging (SP/IB/OC)	SP	Order no.
DishRack 50	☒	1 / 1 / 30		93.1647.050
DishRack 80	☒	1 / 1 / 30		93.1646.080



Gas samplers & accessories

- For reliable, highly precise and reproducible air and gas sampling
- Wide range of pre-selectable feed rates, feed times and feed volumes
- Flexibly & universally useable as well as extremely robust
- Automatic readjustment if there are changes in pressure
- The devices comply with VDI guidelines

Description	Product name	Weight	Suitable for	Scope of delivery	Packaging (SP/IB/OC)	SP	Order no.
Gas sampler	GS 212	11.24 kg	–	Mains adapter GN 100–240/15 V	1 / 1 / 1		90.170.310
Gas sampler	GS 312	11 kg	–	Mains adapter GN 100–240/15 V	1 / 1 / 1		90.170.300
Gas sampler	GS 301	5.5 kg	–	Mains adapter GN 100–240/15 V	1 / 1 / 1		90.170.350
Sample changer	B/G type	0.6 kg	Gas sampler GS 301 (REF 90.170.350) & tubes 7 x 125 mm	–	1 / 1 / 1		92.170.352
Sample changer	ATD type	0.55 kg	Gas sampler GS 301 (REF 90.170.350) & tubes 6 x 89 mm	–	1 / 1 / 1		92.170.354
Sample changer	GE type	0.6 kg	Gas sampler GS 301 (REF 90.170.350) & tubes 6 x 178 mm	–	1 / 1 / 1		92.170.355
Sample changer	W type	0.5 kg	Wash bottles	–	1 / 1 / 1		92.170.356



Simple! Reliable! Impressive!

Our laboratory range is rounded off with products for sample preparation, labelling and disposal.

For more than 40 years we have been known as a manufacturer of high-quality disposable cuvettes. Our products, such as the high-quality disposable cuvettes made of the plastics polystyrene (PS), acrylic (PMMA) and a special plastic for analysis in the UV range, are ideal for photometric analyses of liquid solutions. The cuvettes are also available as a 2x optical semi-micro cuvette and as a 4x optical cuvette for 90° angle fluorescence measurements.

Our handy stirring rods can be used for mixing specimens and solutions. Our waterproof and fast-drying felt markers can be used for the non-smear labelling of plastic tubes and reaction tubes.

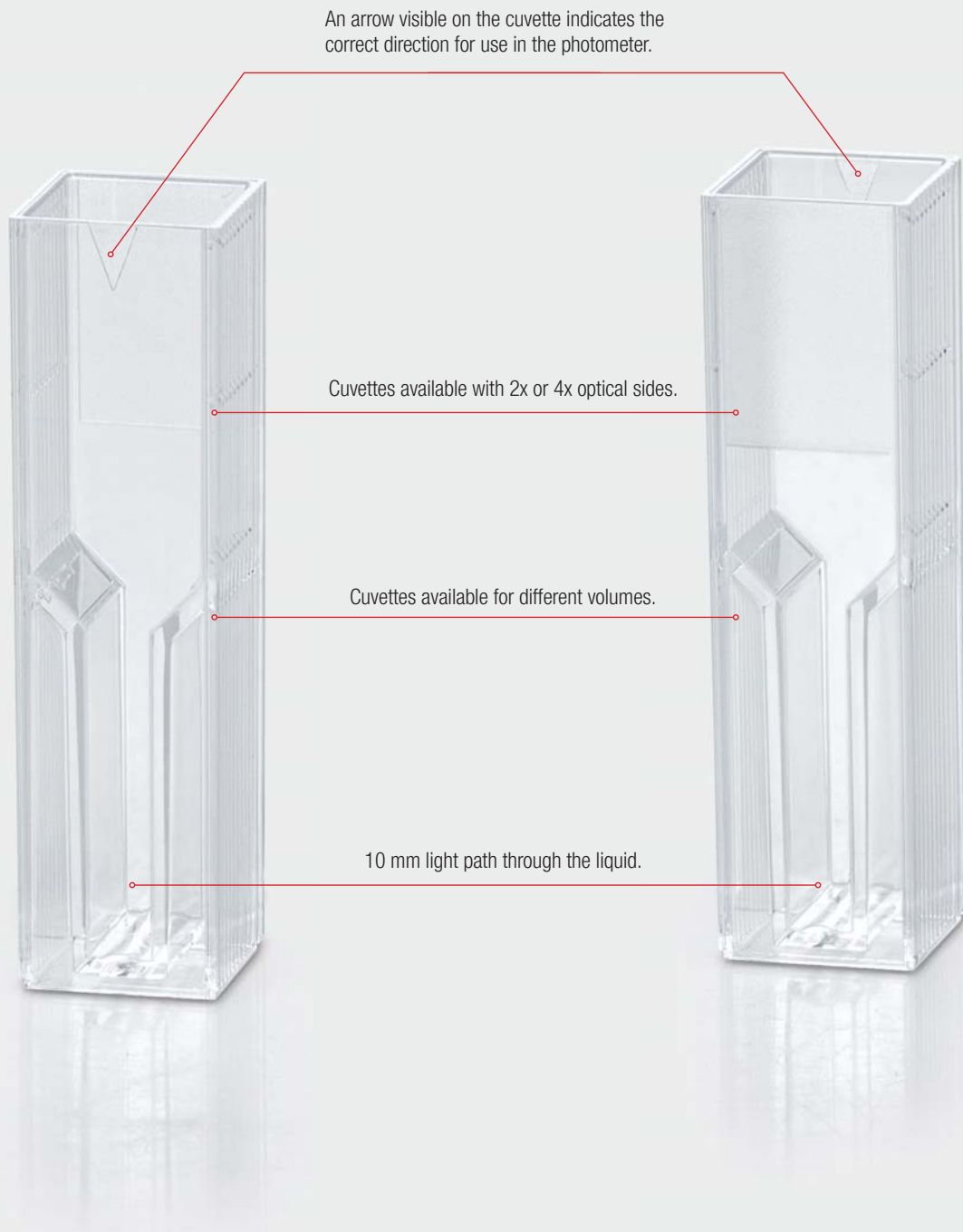
Select from our range of lightweight, square scale pans for weighing liquids, solids and powders.

Our disposal bags are used to collect and throw away used disposable products from the laboratory and hospital and are made of 50 µm thick polypropylene film. In addition to various sizes, we also offer coloured bags as well as versions marked as "Bio Hazard". The volume of the bags ranges from 2 l to 80 l.



General laboratory products

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Cuvettes made of highly transparent plastic

- Ideal for photometric analyses of liquids
- Three plastic materials such as polystyrene, acrylic and a special material for the UV range are available
- Cuvettes packed in styrofoam boxes are nest sorted, thereby guaranteeing consistent transmission values



Packed nest sorted

There are versions of cuvettes available that are packed 100 pcs. in a polystyrene container.

These polystyrene containers are packed nest sorted. This means that all 100 cuvettes in the polystyrene container come from the same mould cavity.

Nest sorting ensures that the measurement results are consistent. We recommend always conducting test series from the same polystyrene container.





Cuvettes

Height	45 mm
Optical sides	2
Path length	10 mm

- Disposable cuvette made of high-quality, crystal-clear polystyrene or acrylic (PMMA)
- Ideal for photometric analyses of liquids in the wavelength range ≥ 300 nm (PMMA)/ ≥ 330 nm (PS)
- An arrow integrated in the cuvette allows exact positioning in the photometer
- Nest sorting ensures consistent transmission values within a styrofoam box

Material	Packaging (SP/IB/OC)	SP	Order no.
PMMA	100 / 100 / 2,000		67.738
PS	100 / 100 / 2,000		67.741
PS	500 / 500 / 2,000		67.745



Cuvettes for fluorescence measurements

Height	45 mm
Optical sides	4
Path length	10 mm

- Disposable cuvette made of high-quality, crystal-clear polystyrene or acrylic (PMMA)
- Ideal for photometric analyses of liquids in the wavelength range ≥ 300 nm (PMMA)/ ≥ 330 nm (PS)
- An arrow integrated in the cuvette allows exact positioning in the photometer
- Nest sorting ensures consistent transmission values within a styrofoam box

Material	Packaging (SP/IB/OC)	SP	Order no.
PS	100 / 100 / 2,000		67.754
PMMA	100 / 100 / 2,000		67.755



Semi-micro cuvettes

Height	45 mm
Optical sides	2
Path length	10 mm

- Disposable cuvette made of high-quality, crystal-clear polystyrene or acrylic (PMMA)
- Ideal for photometric analyses of liquids in the wavelength range ≥ 300 nm (PMMA)/ ≥ 330 nm (PS)
- An arrow integrated in the cuvette allows exact positioning in the photometer
- Nest sorting ensures consistent transmission values within a styrofoam box

Material	Packaging (SP/IB/OC)	SP	Order no.
PMMA	100 / 100 / 2,000		67.740
PS	100 / 100 / 2,000		67.742
PS	500 / 500 / 2,000		67.746



Cuvettes with round opening

Material	PS
Optical sides	2
Path length	10 mm
Closure	Push cap

- Disposable cuvette made of high-quality, crystal-clear polystyrene
- Ideal for photometric analyses of liquids in the wavelength range ≥ 330 nm
- An arrow integrated in the cuvette allows exact positioning in the photometer
- Nest sorting ensures consistent transmission values within a styrofoam box
- Suitable as a storage vessel, as the cuvette can be sealed with a plug (REF 65.793)

Height	Packaging (SP/IB/OC)	SP	Order no.
55 mm	100 / 100 / 2,000		67.749
96 mm	100 / 100 / 1,000		67.743



Round cuvette

Height	51 mm
Material	PP

- Made of high-quality polypropylene
- Especially for specimen preparation
- Suitable for LKB analyser (enzyme analyser)
- Packaged poured in bag

Packaging (SP/IB/OC)	SP	Order no.
1,000/1,000/5,000		68.752

Sealing lock for round cuvettes



Material	LD-PE
-----------------	-------

- Large grip for optimal handling
- Quick opening and closing of the cuvettes
- Ribbed surface for maximum grip
- Excellent sealing properties
- Flat lid can be used as a small labelling field

Suitable for	Packaging (SP/IB/OC)	SP	Order no.
Tubes \varnothing 15.5, 16, 16.5, 16.8 and 17 mm & cuvette 67.749	1,000/1,000/5,000		65.793
Tubes \varnothing 15.7 mm & cuvette 67.743	1,000/1,000/5,000		65.803



UV cuvettes

Height	45 mm
Material	Special plastic
Optical sides	2
Path length	10 mm

- Allows measurements in the UV range at wavelengths ≥ 220 nm
- Minimal UV absorption for quantifying DNA, RNA and proteins
- DNA, RNase and protein-free certified variants with a red lid available
- Minimum specimen volume 50 μ l
- Suitable, e.g. for Eppendorf BioPhotometer, ThermoSpectronic, Perkin Elmer, Bio-Rad, Analytik Jena

Closure	Centre height	Packaging (SP/IB/OC)	SP	Order no.
–	8.5 mm	100/100/400		67.758
Push cap	8.5 mm	100/100/400		67.758.001
–	15 mm	100/100/400		67.759
Push cap	15 mm	100/100/400		67.759.001



Disposal bag, PP, transparent, various sizes

Print Without print

- For disposal of contaminated disposables from lab and hospital
- Strong, 50 μ m thick PP film for high tear strength
- Suitable for steam sterilisation in autoclaves at 134 °C
- Always autoclave disposal bag unsealed
- Please dispose of sharp objects in our “disposal boxes” product range

Dimensions (L x W)	Volume	Colour	Packaging (SP/IB/OC)	SP	Order no.
300 x 200 mm	2 l	<input checked="" type="checkbox"/>	100 / 100 / 1,000		86.1197
500 x 300 mm	7 l	<input checked="" type="checkbox"/>	50 / 50 / 500		86.1198
780 x 400 mm	24 l	<input checked="" type="checkbox"/>	50 / 50 / 250		86.1199
780 x 600 mm	40 l	<input checked="" type="checkbox"/>	50 / 50 / 250		86.1200
1,120 x 700 mm	80 l	<input checked="" type="checkbox"/>	50 / 50 / 150		86.1204

Disposal bag, PP, transparent, with print, various sizes

Print With print

- For disposal of contaminated disposables from lab and hospital
- Strong, 50 μ m thick PP film for high tear strength
- Suitable for steam sterilisation in autoclaves at 134 °C
- Always autoclave disposal bag unsealed
- Please dispose of sharp objects in our “disposal boxes” product range



Dimensions (L x W)	Volume	Colour	Print colour	Packaging (SP/IB/OC)	SP	Order no.
500 x 300 mm	7 l	<input checked="" type="checkbox"/>		50 / 50 / 500		86.1201
780 x 400 mm	24 l	<input checked="" type="checkbox"/>		50 / 50 / 250		86.1202
780 x 600 mm	40 l	<input checked="" type="checkbox"/>		50 / 50 / 250		86.1203



Disposal bag, PP, yellow, with print, various sizes

Print

With print

- For disposal of contaminated disposables from lab and hospital
- Strong, 50 µm thick PP film for high tear strength
- Suitable for steam sterilisation in autoclaves at 134 °C
- Always autoclave disposal bag unsealed
- Please dispose of sharp objects in our “disposal boxes” product range

Dimensions (L x W)	Volume	Colour	Print colour	Packaging (SP/IB/OC)	SP	Order no.
500 x 300 mm	7 l	■	■	50 / 50 / 500		86.1201.103
780 x 400 mm	24 l	■	■	50 / 50 / 250		86.1202.103
780 x 600 mm	40 l	■	■	50 / 50 / 250		86.1203.103
1,120 x 700 mm	80 l	■	■	50 / 50 / 150		86.1206.103



Table rack for disposal bag 300 x 200 mm

Material

Epoxy resin

- Steel wire stand coated with epoxy resin
- Suitable for disposal bags 300 x 200 mm (REF 86.1197)
- Ideal for smaller waste in the lab and hospital
- Each shipping carton contains 100 disposal bags (REF 86.1197)

Packaging (SP/IB/OC)	SP	Order no.
1 / 1 / 1		95.1297



Stirring rod

- For mixing specimens and solutions
- For removing sediments from the tube wall
- Short spatula especially suitable in combination with cuvettes
- Practical dispenser is included in every shipping carton
- Food safe

Material	Length x Ø	Packaging (SP/IB/OC)	SP	Order no.
HD-PE	64 x 3 mm	1,000 / 1,000 / 10,000		81.971
PP	120 x 3 mm	1,000 / 1,000 / 10,000		81.970



Scale pans

Material

PVC

- Lightweight square dish for weighing laboratory specimens
- Suitable for solid, liquid and powdery specimens
- Rounded corners for easier pouring
- Smooth surface ensures low adhesion of specimens
- Flat bottom for a solid footing

Dimensions (L x W)	Volume	Packaging (SP/IB/OC)	SP	Order no.
35 x 35 mm	5 ml	200 / 200 / 2,000		71.9923.211
72 x 72 mm	70 ml	100 / 100 / 2,000		71.9923.212
128 x 128 mm	250 ml	100 / 100 / 1,000		71.9923.210



Felt marker

- Ideal for labelling plastic surfaces
- Clear, wipe-proof labelling
- Fast drying
- Light resistant
- Waterproof

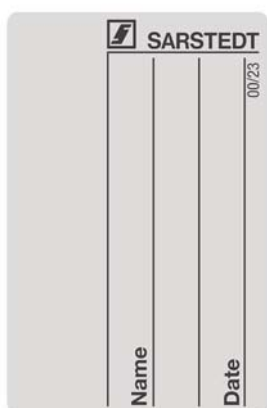
Colour of ink	Packaging (SP/IB/OC)	SP	Order no.
	10 / 10 / 1,000		95.953
	10 / 10 / 1,000		95.954
	10 / 10 / 1,000		95.955
	10 / 10 / 1,000		95.956



Felt markers, alcohol-resistant



- Permanent labelling of many surfaces used in the lab
- Alcohol-resistant on surfaces made of polystyrene and polycarbonate (e.g. cell culture dishes)
- Limited suitability for polypropylene surfaces
- For dry, wet and cold surfaces
- Fine tip

Colour of ink	Packaging (SP/IB/OC)	SP	Order no.
■	10 / 10 / 500		95.950



Adhesive labels

- Made of eco-friendly pharmaceutical paper
- Very good adhesion to grease-free plastic surfaces
- Printed text field for "Name" and "Date"
- Wound onto a roll for easier use with a label dispenser

Dimensions (L x W)	Label/print colour	Packaging (SP/IB/OC)	SP	Order no.
40 x 26 mm	<input type="checkbox"/> / <input checked="" type="checkbox"/>	5,000 / 5,000 / 30,000		84.1556.010
62 x 40 mm	<input type="checkbox"/> / <input checked="" type="checkbox"/>	5,000 / 5,000 / 20,000		84.1027.010



Proven products with progressive properties

This product segment focuses on the SAHARA devices for warming blood samples as well as our urine drainage systems.

Our latest device for dry tempering blood components, the SAHARA 4, features separate temperature monitoring for every single blood product and automatic aggregate state detection. The 7-inch touch colour display provides continuous information about the status of each blood product! Tempering without using water and actively drying the storage bag surface prevents the risk of contamination by water-borne pathogens, making the SAHARA 4 a particularly hygienic solution. Using the optional data management, registration data such as user and storage bag number can be recorded using a barcode scanner and the temperature profile recorded for every single blood product.

For patient-oriented care of incontinence and catheter patients, we provide urine drainage systems including accessories that ensure safe and hygienic patient care. For special requirements in intensive care units, the A06 W urine measuring system provides an accurate measurement of hourly urine output in combination with a hygienic exchange bag.



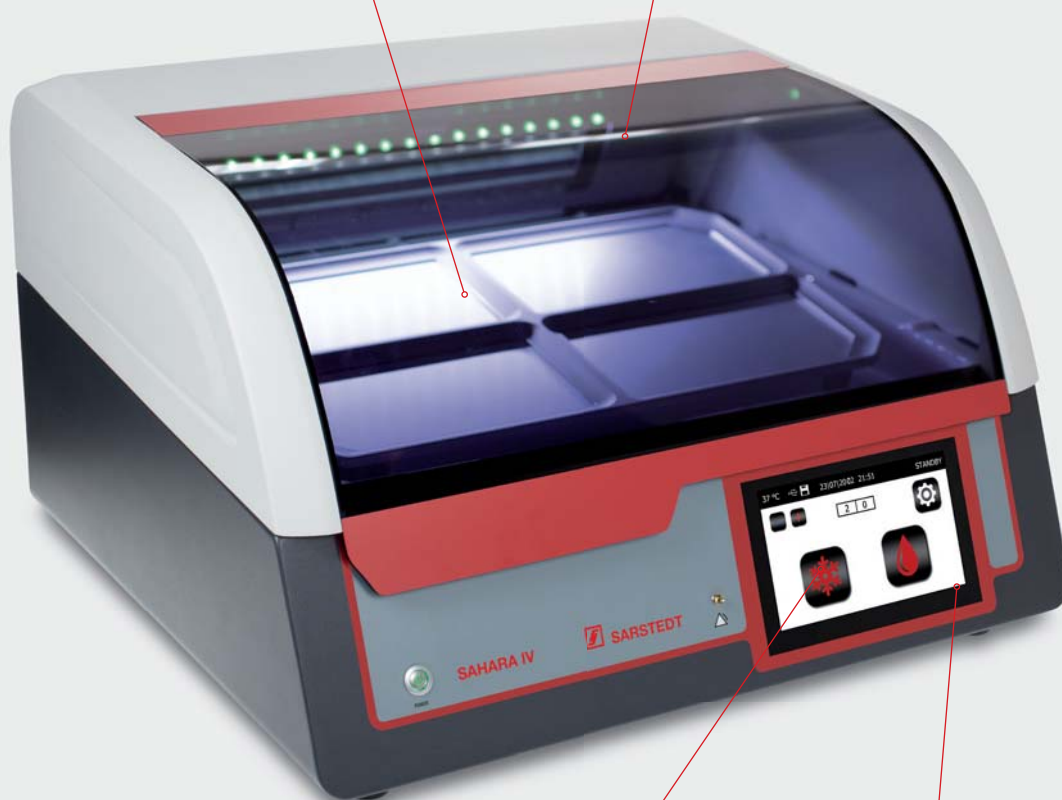
Hospital and transfusion

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Urine measuring systems · Urine drainage systems	306
Urine bags · Accessories for urine drainage	308

Warming blood products

Large warming plate with four separate heating zones agitates the storage bags with an innovative tilting and pivoting motion.

Visual inspection of the blood products through the transparent cover flap and interior illumination



An extensive options menu offers a selection of different system languages, adjustment of the target temperature and activation of data management.

Intuitive and quick user navigation on the 7-inch touch colour display as well as the display of important information (e.g. aggregate state of the blood products or number of unsaved data sets).

Temperature monitoring

- Separate temperature monitoring for every blood product
- Rapid availability of blood products through automatic recognition of aggregate state
- Blood products can be conveniently changed during the ongoing tempering process



SAHARA 4 dry tempering of blood components

Safe and hygienic

- Tempering at a constant, preselectable ambient temperature (between 37 °C and 42 °C)
- Prevents the risk of contamination by water-borne pathogens associated with water baths
- Actively drying the bag surface provides hygienic conditions surrounding the blood product
- Over-temperature alarm and cut-out
- Reminder to remove the blood products
- Reduced thawing times
- The device is easy to clean due to the removable warming plate and collection tray

Optional data management for recording registration data such as user and storage bag number using a barcode scanner as well as the temperature profile for each blood product.





SAHARA 4

- Dry tempering of blood components (risk of contamination by water-borne pathogens is avoided)
- Storage bag agitation by means of innovative tilt-pivoting movement and separate temperature monitoring for each blood product
- Rapid availability of blood products through automatic recognition of aggregate state and convenient change during the running tempering process
- Intuitive and quick user navigation on the 7-inch touch colour display
- Optional data management

Description	Packaging (SP/IB/OC)	SP	Order no.
SAHARA 4 100/240 V	1 / 1 / 1		97.8720.500
TOUCH 65 PRO USB barcode scanner	1 / 1 / 1		97.8720.440



SAHARA-III









- Dry tempering of blood components (risk of contamination by water-borne pathogens is avoided)
- Actively drying the bag surface provides hygienic conditions surrounding the blood product
- No-contact measurement of the blood product temperature using an infrared sensor
- Gentle agitation to achieve a homogeneous temperature profile within the bag
- Modular design enables the rapid change between the basic model and MAXITHERM

Description	Packaging (SP/IB/OC)	SP	Order no.
SAHARA-III 230 V	1 / 1 / 1		97.8710.500
SAHARA-III 115 V	1 / 1 / 1		97.8710.502
SAHARA-III MAXITHERM 230 V	1 / 1 / 1		97.8710.800
SAHARA-III MAXITHERM 115 V	1 / 1 / 1		97.8710.802



Accessories for SAHARA-III



- MAXITHERM module: Expands the capacity of the SAHARA-III to up to 6 storage bags
- Protocol printer module: Documents the blood product temperature, error messages and the system test
- Infusion warmer module: Also warms up infusions
- Stainless steel collecting tray: Collects plasma leaking from defective blood bags

Description	Packaging (SP/IB/OC)	SP	Order no.
MAXITHERM module	1 / 1 / 1		97.8710.580
Warming plate module	1 / 1 / 1		97.8710.590
Infusion warmer III module	1 / 1 / 1		97.8710.550
Protocol printer module	1 / 1 / 1		97.8710.570
Paper roll	5 / 10 / 50		79.8710.575
Ink ribbon	1 / 1 / 1		79.8710.576
Ink ribbon for SP742MD protocol printer	1 / 1 / 1		79.8710.577
Collecting tray	1 / 1 / 1		97.8710.501



SAHARA-TSC

- Dry tempering of blood stem cells (risk of contamination by water-borne pathogens is avoided)
- Gentle agitation to achieve a homogeneous temperature profile within the blood stem cell preparation
- Infrared sensor records the preparation temperature
- Warming shell, warming plate and adaptation compresses can be taken out of the instrument separately and can easily be cleaned and disinfected.

Description	Packaging (SP/IB/OC)	SP	Order no.
SAHARA-TSC 230 V	1 / 1 / 1		97.8710.600
SAHARA-TSC 115V	1 / 1 / 1		97.8710.602



Accessories/replacement parts for SAHARA-TSC

- TSC adaptation compress (replacement part): The adaptation compress filled with gel is used as a passive heat reservoir
- SAHARA-TSC warming shell (replacement part): Used to stored stem cell preparations
- Protocol printer module (accessories): Documents the blood product temperature, error messages and the system test

Description	Packaging (SP/IB/OC)	SP	Order no.
Adaptation compress TSC	5 / 5 / 5		79.8710.610
Protocol printer module	1 / 1 / 1		97.8710.570
Paper roll	5 / 10 / 50		79.8710.575
Ink ribbon	1 / 1 / 1		79.8710.576
Ink ribbon for SP742MD protocol printer	1 / 1 / 1		79.8710.577



Tube segment opener

- Safety and hygiene for your crossmatching laboratory
- Very easy sample collection from tube segments
- Minimises the risk of contamination

Description	Design	Suitable for	Length x Ø	Material	Packaging (SP/IB/OC)	SP	Order no.
Tube segment opener	–	Tubes with inner Ø 10 mm	–	HD-PE	500 / 500 / 2,000		95.1000
Tube segment opener	For bedside test cards	–	–	HD-PE	200 / 200 / 2,000		95.1000.100
Tube segment opener	Mounted on tube 75 x 12 mm	–	–	HD-PE	50 / 50 / 400		95.1000.476
Tube segment opener	–	Tubes with inner Ø 8.2 mm	–	HD-PE	500 / 500 / 2,000		95.1000.800
Tube	–	–	75 x 12 mm	PS	500 / 500 / 2,000		55.476
Tube	–	–	75 x 12 mm	PS	1,000 / 1,000 / 2,000		55.476.005
Tube	–	Coombs test	75 x 11.5 mm	Glass	294 / 2,352 / 2,352		86.1509



Tube stripper

- Tube stripper with high-performance motor
- With mains or battery power
- Optionally with or without auto-stop function
- Tabletop device with auto-stop function and foot switch

Description	Auto-stop function	Transport case	Packaging (SP/IB/OC)	SP	Order no.
AST-2 tube stripper	No	Yes	1 / 1 / 1		87.7709.029
AST-2S tube stripper	Yes	Yes	1 / 1 / 1		87.7709.025
AST-2F tube stripper with foot switch	Yes	–	1 / 1 / 1		87.7709.035
Mains adapter	–	–	1 / 1 / 1		87.7709.033
Battery	–	–	1 / 1 / 1		87.7709.031
Charger	–	–	1 / 1 / 1		87.7709.032



Stripping and sealing tongs

- Combination tongs for stripping and sealing single and multiple blood bag systems
- Easy handling thanks to the ergonomically designed handle
- Made of aluminium
- Can be adjusted to different tube diameters

Description	Packaging (SP/IB/OC)	SP	Order no.
Stripping / Sealing Tongs	1 / 1 / 1		97.8800.200
Sealing clips	1,000 / 1,000 / 99,000		88.7708.095



A06 W urine measuring system

- DEHP-free
- Needle-free, flat collection point
- Exchange bag connected with a bayonet lock
- Transparent T drain cock
- Tube is kink-resistant above the drip chamber

Description	Design	Volume	Tube length	Purity	Packaging (SP/IB/OC)	SP	Order no.
Urine measuring system	Exchange bag 2,000 ml	2 l	120 cm	Sterile	1 / 1 / 10		74.5681.200
Urine measuring system exchange bag	–	2 l	–	Sterile	1 / 1 / 50		74.5684.001
Urine measuring system exchange bag	With drainage valve	2 l	–	Sterile	1 / 1 / 50		74.5684.002
Urine measuring system exchange bag	–	3 l	–	Sterile	1 / 1 / 50		74.5685.001
Urine measuring system exchange bag	With drainage valve	3 l	–	Sterile	1 / 1 / 50		74.5685.002



UD 3plus urine drainage system



- DEHP-free
- Needle-free, flat collection point
- Drip chamber with optimised, bacteria-proof ventilation and membrane one-way valve
- With printed graduations
- One-handed drainage valve with plug-in slot

Volume	Tube length	Purity	Packaging (SP/IB/OC)	SP	Order no.
2 l	100 cm	Sterile	1 / 1 / 20		74.5330.500
2 l	120 cm	Sterile	1 / 1 / 20		74.5330.520



TUR-BAG urine drainage system


- DEHP-free
- With printed graduations
- One-handed drain cock to quickly empty the bag
- Needle-free, flat collection point
- Large-lumen, kink-resistant 100 cm long drainage tube

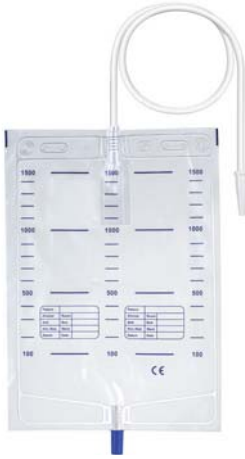
Volume	Tube length	Purity	Packaging (SP/IB/OC)	SP	Order no.
4 l	100 cm	Sterile	1 / 1 / 10		74.5340.500
4 l	100 cm	Sterile	1 / 1 / 20		74.5340.501



Urine drainage bag with drain cock




- DEHP-free
- Needle-free, flat collection point
- With printed graduations
- Bag ventilation
- Transparent T drain cock

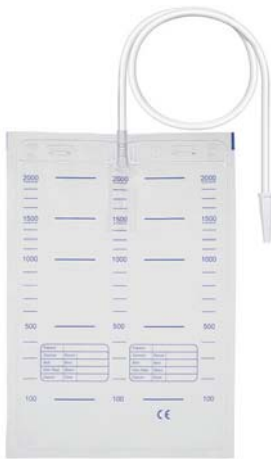
Volume	Tube length	Purity	Packaging (SP/IB/OC)	SP	Order no.
2 l	100 cm	Sterile	1 / 1 / 50		74.5485.005



Urine bag with drain and anti-reflux valve



- Universal step connector
- Push-pull drainage valve
- Tube length 90 cm
- With printed graduations

Volume	Purity	Packaging (SP/IB/OC)	SP	Order no.
1.5 l	–	150 / 150 / 150		74.5218.101
2 l	Sterile	1 / 1 / 100		74.5228.005
2 l	–	150 / 150 / 150		74.5228.101



Urine bag with anti-reflux valve





- Universal step connector
- Tear-off edge for disposal
- Tube length 90 cm
- With printed graduations

Volume	Purity	Packaging (SP/IB/OC)	SP	Order no.
1.5 l	Sterile	1 / 100 / 100		74.5283.005
1.5 l	–	200 / 200 / 200		74.5283.101
2 l	Sterile	1 / 1 / 100		74.5284.005
2 l	–	200 / 200 / 200		74.5284.101

UroStretch for leg bag attachment



- No contact between the leg bag and the skin (avoids allergies, skin irritations)
- Bag is secured to the upper or lower leg over the entire area
- Reduction of liquid noise
- Can be adjusted to the patient with four sizes
- Reusable and rewashable (40 °C)

Size	Packaging (SP/IB/OC)	SP	Order no.
S	10 / 10 / 10		74.5767.001
M	10 / 10 / 10		74.5767.002
L	10 / 10 / 10		74.5767.003
XL	10 / 10 / 10		74.5767.004




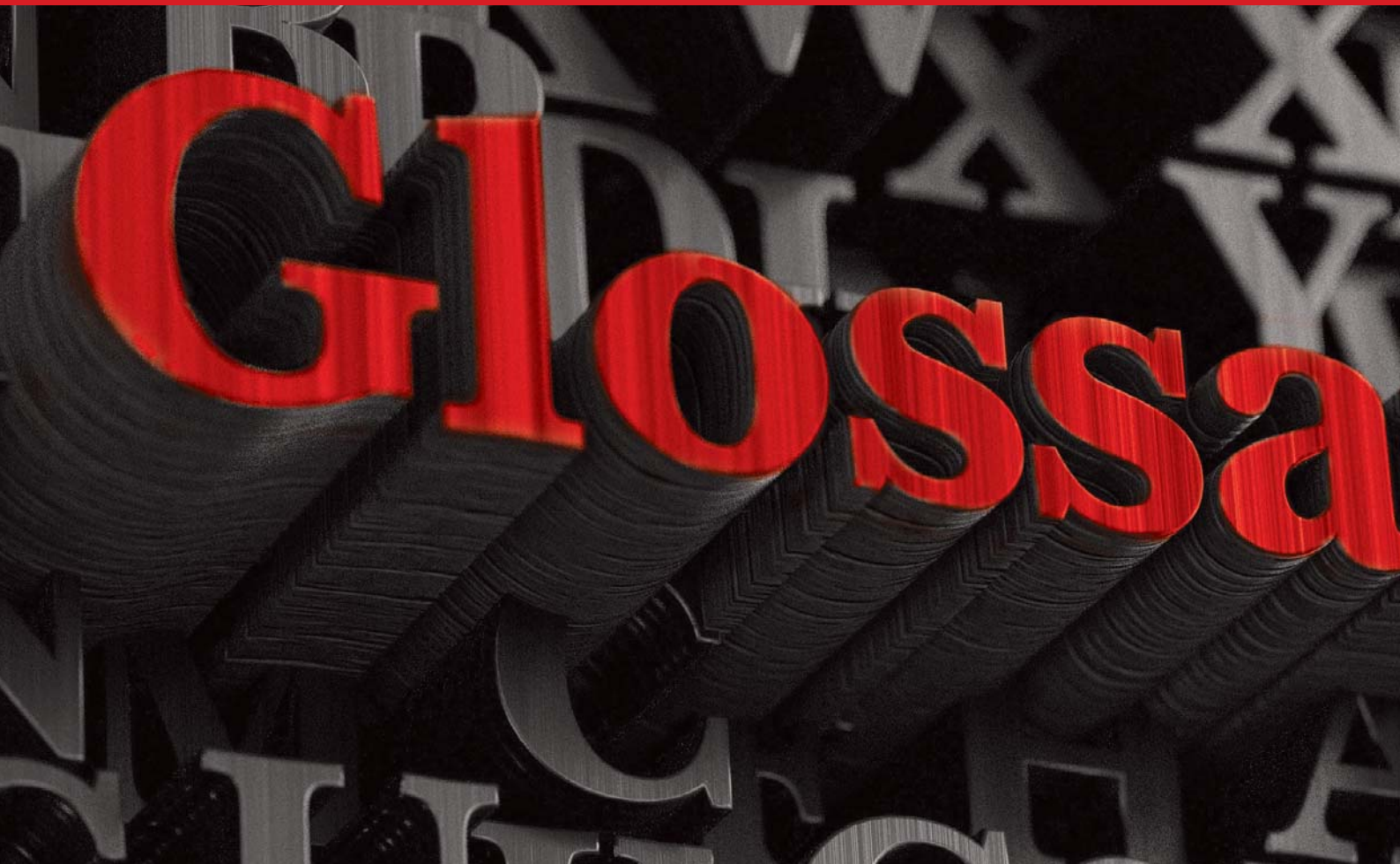
Navel clamp

Colour

White

- For the safe closure of the umbilical cord after delivery
- Latex-free
- DEHP-free
- Sterile, individually packed

Purity	Packaging (SP/IB/OC)	SP	Order no.
Sterile	1 / 10 / 250		74.4701



Certified! Stable! Compatible!

In research, laboratories and analysis, SARSTEDT products must meet a wide range of requirements. For some applications such as autoclaving or boiling samples, the plastics used should be able to withstand high temperatures, while in cell culture, high transparency of the dishes and plates is required in order to be able to assess cell growth. The material properties will help you to find the right material for your applications.

Many applications involve SARSTEDT products coming into contact with various chemicals. The chemical resistance table will help you select the right material.

A maximum degree of purity of the consumables used is essential for sensitive analyses, expensive reagents or sensitive test organisms. Only if the quality remains consistently high can reproducible and reliable results be guaranteed.

The combination of SARSTEDT products and devices requires the highest level of precision. This precision and reliability can be achieved only when the products are fully compatible.



Glossary

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Disposal and the environment

- Plastics used in our products are environmentally neutral in terms of disposal.
- The plastic can be sent to landfill, as they do not release any harmful substances into the air, earth or water.
- When disposed of in incinerators, the plastics PS, PP, PC and PE serve as valuable sources of energy to maintain the temperature in the combustion chamber - the more plastic in the waste, the less heating oil is used. Burning these plastics does not release any hazardous emissions.

	Polystyrene	Polypropylene	Polycarbonate	Polyethylene
Abbreviation	PS	PP	PC	HD-PE high density polyethylene LD-PE low density polyethylene
Optical properties	Transparent, shiny surface with 90% light transmission (at 400-800 nm)	Translucent, shiny surface	Transparent, 88% light transmission (at 400-800 nm)	Translucent to opaque, waxy surface
General mechanical properties	Low elongation at break and thermal resistance, very good electrical insulating properties, not suitable for high centrifugal accelerations	High breaking strength, resistant to stress cracking, stable form and high rigidity	Very good mechanical, optical, electrical and thermal properties, can be autoclaved and sterilised	Relatively low tensile strength and surface hardness, high toughness, soft to firm, sensitive to stress cracking, water-repellent
Autoclavability	Not suitable	Products made of PP can be autoclaved up to 121 °C without any appreciable loss of mechanical properties. The user must check whether other product characteristics are affected in terms of the desired use.	Products made of PC can be autoclaved up to 121 °C without any appreciable loss of mechanical properties. The user must check whether other product characteristics are affected in terms of the desired use.	Not suitable
Max. continuous use temperature ^{*1}	60 - 70 °C	100 - 110 °C	115 - 125 °C	HD-PE 70 - 80 °C LD-PE 60 - 75 °C
Temporary maximum use temperature ^{*1}	75 - 80 °C	120 - 140 °C	125 - 140 °C	HD-PE 90 - 120 °C LD-PE 80 - 90 °C
Use at sub-zero temperatures ^{*2}	Not well-suited	Limited suitability ^{*1}	Down to -80 °C	Limited suitability ^{*1}
Thickness g/cm ³	1.05	0.90	1.19	HD-PE 0.95 LD-PE 0.92
Flammability	Flammable	Flammable	Flammable	Flammable
Ignition temperature ^{*1}	300 - 400 °C	300 - 360 °C	380 - 450 °C	350 - 360 °C
Moisture absorption	< 0.1%	< 0.1%	0.1 - 0.3%	< 0.1%
General resistance to chemicals	PS is resistant to saline solutions, alkaline solutions, non-oxidising acids, alkalis and alcohols. Benzene, volatile oils, strongly oxidising agents and flavourings attack PS, forming stress cracks.	PP is resistant to aqueous solutions of inorganic salts, acids, alkalis and to organic solvents up to 60 °C. Alcohols, esters and ketones also do not attack PP. Aromatic and halogenated hydrocarbons, oxidising substances such as concentrated nitric acid and fats, oils and waxes at high temperatures cause PP to swell.	PC is resistant to higher concentrations of mineral acids, many organic acids (e.g. carbonic acid, oleic acid and citric acid), oxidants, reducing agents, neutral and acidic saline solutions, a range of fats and oils, saturated, aliphatic and cycloaliphatic hydrocarbons and alcohols (except methanol). Alkaline solutions, ammonia gas and its soluble form as well as amines attack PC. PC is soluble in a range of industrial solvents. Other organic compounds such as benzene, acetone and carbon tetrachloride may lead to expansion or swelling.	PE has a high resistance to chemicals. The chemical resistance of HD-PE is generally higher than that of LD-PE. Aqueous acids, alkaline solutions, alcohol, oil and water and saline solutions do not affect PE. Concentrated, oxidising acids, such as nitric acid and halogens have a corrosive effect.
Disposal	PS is a pure hydrocarbon and thus environmentally neutral in terms of disposal. The controlled burning of this plastic does not release any hazardous emissions.	PP is a pure hydrocarbon and thus environmentally neutral in terms of disposal. The controlled burning of this plastic does not release any hazardous emissions.	PC is a pure hydrocarbon and thus environmentally neutral in terms of disposal. The controlled burning of this plastic does not release any hazardous emissions.	PE is a pure hydrocarbon and thus environmentally neutral in terms of disposal. The controlled burning of this plastic does not release any hazardous emissions.

*1 Suitability depends on the type of plastic used and the type of stress.

*2 Caution: The plastic becomes brittle at sub-zero temperatures. The use of products at sub-zero temperatures should be tested in advance for the relevant application. This information should serve as a guide and does not guarantee product properties.

The table of chemical resistance listed here should be used as a general guideline. All data are non-binding recommendations, taken from information supplied by the plastic manufacturer and literature. Users must check the resistance of plastic material under their specific test conditions, including with regard to applications that involve any mixtures of chemical substances or changes in temperature.

The first letter of the rating relates to conditions at + 20 °C, and the second to conditions at + 60 °C.

	LD-PE	HD-PE	PP	PS	PC
1,4-Dioxane	GL	GG	LL	UU	UU
1-Chlorpentane	UU	LU	UU	UU	UU
2-Pentanone	UU	UU	GL	UU	UU
Acetaldehyde	LU	GL	GU	UU	UU
Acetic acid, 5%	EE	EE	EE	EE	EG
Acetic acid, 50%	EE	EE	EE	GG	LL
Acetone	LU	LL	EG	UU	UU
Allyl alcohol	LL	EE	—	EL	—
Aluminium salts	EE	EE	EE	GG	—
Amino acids	EE	EE	EE	EE	EE
Ammonia	EE	EE	EE	GL	UU
Ammonium carbonate	EE	EE	EE	EE	LU
Ammonium phosphate	EE	EE	EE	GG	—
Ammonium sulphate	EE	EE	EE	GG	EG
Aniline	UU	GG	GL	UU	UU
Benzene	UU	LU	LU	UU	UU
Benzine	LU	LL	UU	UU	LL
Benzyl alcohol	GL	GG	GL	UU	LL
Boric acid	EE	EE	EE	EG	EE
Bromine	UU	UU	UU	UU	UU
Butanol	EL	EE	EL	GG	UU
Butanone	LU	GG	GL	UU	UU
Butyric acid	LU	GL	LU	UU	LU
Calcium chloride	EE	EE	EE	EE	EE
Calcium hydroxide, sat.	EE	EE	EE	GG	UU
Calcium sulphate	EE	EE	EE	GG	EE
Carbon tetrachloride	UU	LU	UU	UU	UU
Chlorine 10% in water	UU	LU	LU	UU	LU
Chlorobenzene	UU	UU	UU	UU	UU
Chromic acid, 10%	EE	EE	EL	EE	GL
Chromic acid, 50%	EE	EE	GL	LL	LU
Citric acid, 10%	EE	EE	EE	EE	EE
Cresol	UU	LU	GL	UU	UU
Cyclohexanol	UU	UU	E-	UU	E-
Dichloromethane	LL	UU	LU	UU	UU
Diethyl ketone	LU	LL	GG	UU	UU
Dimethyl sulphoxide	EE	EE	EE	EG	UU
Ethanol, 95%	LL	GG	EE	EE	GG
Ethyl acetate	LU	EU	LU	UU	UU
Ethylbenzene	UU	UU	LU	UU	LL
Ethylene glycol	EE	EE	EE	EE	EE
Ethylene oxide	LL	GL	LL	UU	LU
Fluoride	EE	EE	EE	GG	—
Fluorine	UU	UU	LU	UU	—
Formaldehyde, 10%	EE	EE	EE	LU	EG
Formaldehyde, 40%	GL	EG	EG	UU	LL
Formic acid	EG	EE	EU	LL	LU
Glacial acetic acid	LU	EL	EL	UU	UU
Glycerol	EE	EE	EE	EE	EE
Heating oil	LU	GL	EG	UU	GL
Hexane	LL	GL	GL	UU	LU
Hydrochloric acid, 20%	EE	EE	EE	EE	LL
Hydrochloric acid, 35%	EE	EE	EL	LL	UU
Hydrochloric acid, 5%	EE	EE	EE	EE	EE
Hydrofluoric acid, 4%	EG	EE	EG	GL	GL
Hydrofluoric acid, 40%	EE	EE	E-	UU	—
Hydrofluoric acid, 48%	EG	EE	EG	UU	UU
Hydrogen cyanide	EE	EE	EE	GG	—
Hydrogen peroxide, 3%	EE	EE	EE	EG	EE
Hydrogen peroxide, 30%	EL	EE	EL	EG	EE
Isobutanol	EL	EE	EE	GG	EE
Isopropyl acetate	GL	EL	GL	UU	UU
Isopropyl alcohol	EE	EE	EE	EG	L-
Kerosene	UU	UU	GL	UU	LL
Lactic acid, 10%	EE	EE	EE	GG	EE

	LD-PE	HD-PE	PP	PS	PC
Lactose	EE	EE	—	E-	E-
Lead acetate	EE	EE	EE	EE	—
Mercury	EE	EE	EE	EE	E-
Methanol	EL	EE	EL	LU	UU
Mineral oil	LU	EL	EE	EE	GL
n-Amyl acetate	UU	LL	LL	UU	UU
Nitric acid, 10%	EE	EE	EE	EE	GL
Nitric acid, 50%	LU	LU	LU	UU	GL
Nitric acid, 70%	LU	LU	UU	UU	UU
n-Octane	UU	LU	LU	UU	E-
Oleic acid	LU	GG	GL	GG	EE
Oxalic acid	EE	EE	EE	EG	EE
Ozone	UU	LU	LL	UU	UU
Perchloroethylene	UU	UU	UU	UU	UU
Perchloric acid	GU	GU	GU	GL	UU
Phenol	LU	GG	GL	UU	UU
Phosphoric acid, 10%	EE	EE	EE	E-	LU
Phosphoric acid, 85%	EE	EE	EG	EL	UU
Phosphorus trichloride	UU	UU	GL	UU	UU
Potassium acetate	EE	EE	EE	EE	UU
Potassium bromide	EE	EE	EE	L-	EG
Potassium carbonate	EE	EE	EE	EE	GL
Potassium hydroxide, conc.	EE	EE	EE	GG	UU
Potassium permanganate	EE	EE	EE	LL	UU
Propylene glycol	EE	EE	EE	EE	GL
Pyridine	LU	GL	LU	UU	UU
Saccharose	EE	EE	EE	EE	—
Salicylic acid, sat.	EE	EE	EE	EG	EG
Silver acetate	EE	EE	EE	GG	—
Silver nitrate	EE	EE	EG	GL	EE
Sodium carbonate	EE	EE	EE	EE	GL
Sodium chloride, sat.	EE	EE	EE	EE	EE
Sodium dichromate	EE	EE	EE	EE	—
Sodium hydroxide, 1%	EE	EE	EE	GG	—
Sodium hydroxide, 50%	EE	EE	EE	GG	UU
Sodium hypochlorite, 15%	—	EE	E-	—	—
Sodium nitrate	EE	EE	EE	EE	LU
Sodium sulphate	EE	EE	EE	EE	E-
Sulphuric acid, 20%	EE	EE	EE	EG	EG
Sulphuric acid, 6%	EE	EE	EE	EE	EE
Sulphuric acid, 60%	EG	EE	EG	GU	LU
Sulphuric acid, 98%	LU	LU	LU	UU	UU
Tannic acid, 20%	EE	EE	EE	GG	UU
Tetrahydrofuran	UU	UU	LU	UU	UU
Toluene	UU	LU	LU	UU	UU
Trichloroacetic acid	LU	GL	LU	UU	U-
Trichloroethane	UU	LU	UU	UU	UU
Trichloromethane	UU	UU	LU	UU	UU
Turpentine oil	UU	UU	UU	UU	—
Urea	EE	EE	EE	EG	UU
Xylene	UU	UU	UU	UU	UU
Zinc chloride	EE	EE	EE	EE	EE

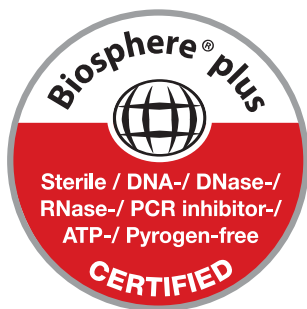
Explanation of signs

E = Excellent	Plastic is fully resistant to this substance.
G = Good	Long-term exposure to this substance causes no or little damage.
L = Limited	With constant exposure, plastic tends to develop hairline cracks, lose mechanical strength or become discoloured.
U = Unstable	Plastic is unsuitable for use in conjunction with this substance. Use is not recommended.
—	No investigations available.

Guaranteed reliability and reproducibility

Cleanroom conditions, skilled personnel wearing protective clothing and automated production processes are the prerequisites for the certified SARSTEDT PCR Performance Tested and Biosphere® plus quality standards.

Since 1995, we have provided our customers with a level of product quality that is tailored to their applications to ensure maximum reproducibility in their analyses. Our certifications are continuously adjusted to the current state of research, so that we can offer the user the required level of reliability in their routine work at all times.



Biosphere® plus

In recent years, scientific analysis methods have been continuously refined to the point where even individual molecules can be detected. This increased sensitivity means that consumables are required to meet significantly more exacting requirements compared with just a few years ago, so that users can be certain that even the smallest contamination will be reliably excluded.

The newly developed Biosphere® plus quality achieves a purity standard that gives users the utmost protection against any possible contamination.

In addition to the high-purity production conditions, all Biosphere® plus certified products undergo a validated decontamination process. The limits are thus significantly lower than those of the PCR Performance Tested quality. The following purity criteria are certified by an independent laboratory:

- ✓ **Sterile**
Based on ISO 11135
- ✓ **DNA-free**
Human DNA <5.0 fg/µl, bacterial DNA <0.2 fg/µl
- ✓ **DNase/RNase-free**
DNase <5x10⁻⁷ U/µl, RNase <5x10⁻¹¹ Kunitz units/µl
- ✓ **PCR inhibitor-free**
<0.5 cycles C_i value shift
- ✓ **ATP-free**
<1x10⁻¹² mmol/µl
- ✓ **Non-pyrogenic/endotoxin-free**
<0.002 EU/ml



PCR Performance Tested

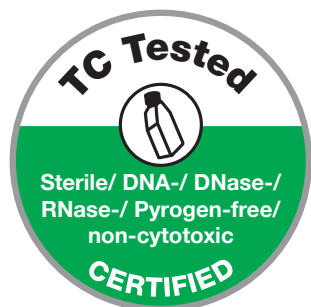
PCR Performance Tested was specially tailored to the demands and requirements of work with nucleic acids (e.g. qPCR, PCR, purification and storage). This quality grade allows customers to safely use SARSTEDT consumables directly in nucleic acid analysis. The following purity criteria are certified by an independent laboratory:

- ✓ **DNA-free**
Human DNA <0.5 pg/µl, bacterial DNA <0.02 pg/µl
- ✓ **DNase/RNase-free**
DNase <1x10⁻⁵ U/µl, RNase <1x10⁻⁹ Kunitz units/µl
- ✓ **PCR inhibitor-free**
<0.5 cycles C_i value shift

Cell and tissue cultures today are used not only in basic research, but more and more in applied biotechnology and clinical and pharmaceutical research, as well.

Toxicity tests, quality controls of biochemical processes, industrial production systems (e.g. production of monoclonal antibodies) etc. require products of the highest purity and quality. A basic requirement for comparable and reproducible experiments is compliance with the quality standards for cell and tissue cultures.

To meet these demands, SARSTEDT has been producing a wide product range of certified consumables for work with cell and tissue cultures for over 25 years.

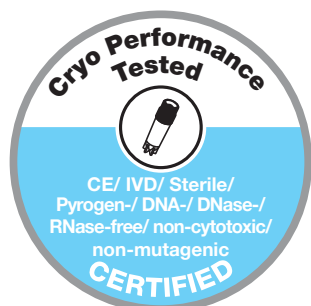


TC Tested

Since 1990, SARSTEDT has offered its customers high-quality cell culture products made under cleanroom conditions by trained personnel in protective clothing and using automated production processes.

In accordance with our basic principle that the products that come into contact with cells must not have a disruptive effect on the cells, these products are made under the strictest cleanroom conditions and are labelled with the "TC Tested" quality logo. The following purity criteria are certified by an independent laboratory:

- ✓ **Sterile**
Based on ISO 11137
- ✓ **Pyrogen-free/endotoxin-free**
<0.06 EU/ml
- ✓ **Non-cytotoxic**
In compliance with ISO 10993-5
- ✓ **DNA-free**
Human DNA <0.5 pg/μl, bacterial DNA <0.02 pg/μl
- ✓ **DNase/RNase-free**
DNase <7.1 · 10⁻⁵ U/μl, RNase <1.4x10⁻¹⁰ Kunitz units/μl



Cryo Performance Tested

Cell and tissue samples must not be exposed to additional risks regarding contamination with interfering substances during "vital" preservation in CryoPure tubes. The following purity criteria are certified by an independent laboratory:

- ✓ **Sterile**
Based on ISO 11137
- ✓ **Pyrogen-free/endotoxin-free**
<0.06 EU/ml
- ✓ **Non-cytotoxic**
In compliance with ISO 10993-5
- ✓ **Non-mutagenic**
Proof of assessment of mutagen-free status was conducted according to Ames Test II
- ✓ **DNA-free**
Human DNA <0.5 pg/μl, bacterial DNA <0.02 pg/μl
- ✓ **DNase/RNase-free**
DNase <1x10⁻⁵ U/μl, RNase <1x10⁻⁹ Kunitz units/μl
- ✓ **IVD** **CE**

Compatibility table - PCR plates

Number of wells	96	96	96	96	96	384
Half/full skirt	Without	Without	Half	Full	Half	Full
Profile	High	High	High	Low	Low	-
Order no. PCR plates	72.985	72.1978 72.1978.010	72.1979 72.1979.010 72.1979.003 72.1979.201 72.1979.700 72.1979.102 72.1979.132	72.1980 72.1980.010 72.1980.201 72.1980.600 72.1980.700	72.1981 72.1981.010	72.1984.202

Amersham Biosciences® / GE Healthcare®

MegaBACE 500/1000 DNA Analysis System				●		
MegaBACE 4000 DNA Analysis System						●

Analytik Jena® / Biometra®

FlexCycler ² 96 well		●				
qTOWER 2.0/2.2 S	●	●		●		
SpeedCycler ² 96 well SP & SPR	●	●		●		
TAdvanced	●	●				
TOne		●	●	●		
TOptical	●	●		●		
TRobot 96 well	●	●		●		
TRobot 384 well						●
TProfessional Familie 96 well (except TRIO)		●		●		
TProfessional Familie 384 well (except TRIO)						●

Applied Biosystems® / Life Technologies®

GeneAmp® 2700, 2720		●	●			
GeneAmp® 7500 / 5700		●	●			
GeneAmp® 9600	●	●	●			
GeneAmp® 9700	●	●	●			
GeneAmp® 9800 FAST Block					●	
PE 2700		●	●			
PE 9600	●	●	●			
PE 9700	●	●	●			
Prism® 2720		●	●			
Prism® 7000 / 7700		●	●			
Prism® 7300 / 7500			●			
Prism® 7500 Fast					●	
Prism® 7900HT			●			●
Prism® 7900 Fast					●	
Prism® 7900HT Fast					●	●
QuantStudio™ (3, 5, 6, 7 & 12)			●		●	
StepOne Plus™					●	
Veriti® 96 well / 384 well			●			●
Veriti® Fast 96 well			●		●	
ViiA7™			●			
310 Genetic Analyser		●	●		●*	
3100 / 3130 Genetic Analyser		●	●		●*	
3500 / 3500XL Genetic Analyser			●		●*	
3700 / 3730 / 3730XL Genetic Analyser		●	●		●*	

QIAGEN®

peqSTAR 96		●	●	●		
peqSTAR 384						●

Thermo Fisher Scientific®

MultiBlock System		●		●		●
PCR Sprint		●		●		

Legend:  = recommended  = not checked

* with compatible adapter from ABI

The compatibility table represents a guide for recommended use of the products listed. We would like to emphasise that we do not routinely check the products for their compatibility with the devices listed. As a result, these do not represent guaranteed product characteristics.

Number of wells	96 pre-loaded	96	96	96	96	384	96	384
Half/full skirt	Without	Without	Half	Full	Half	Full	Full	Full
Profile	High	High	High	Low	Low	-	"Lightcycler"	"Lightcycler"
Order no.			72.1979	72.1980				
PCR plates	72.985	72.1978 72.1978.010	72.1979.010 72.1979.003 72.1979.201 72.1979.700 72.1979.102 72.1979.132	72.1980.010 72.1980.201 72.1980.600 72.1980.700	72.1981 72.1981.010	72.1984.202	72.1982.202	72.1985.202

BioRad® / MJ Research®

CFX96 Touch™ Real-Time PCR				●				
CFX384 Touch™ Real-Time PCR						●		
CFX Automation System II								
T100™ Thermal Cycler	●	●		●	●			
S1000™ Thermal Cycler		●	●	●		●		
C1000Touch™ Thermal Cycler		●	●	●	●	●		
iCycler iQ™ Thermal Cycler	●	●	●					
iQ4™ Thermal Cycler	●	●	●					
iQ5™ Thermal Cycler	●	●	●					
MyCycler™ Thermal Cycler	●	●	●					
Chromo4™		●		●				
Opticon™, Opticon2™				●				
BaseStation™				●				

Corbett Research® / Qiagen®

Palm Cycler 96 well		●						
Palm Cycler 384 Well				●				

Eppendorf®

Mastercycler® nexus	●	●						
Mastercycler® ep realplex		●	●			●		
Mastercycler® gradient	●	●		●				
Mastercycler® ep gradient	●	●	●	●				
Mastercycler® pro	●	●		●				

Ericom®

Deltacycler			●	●				
SingleBlock			●	●				
TwinBlock			●	●				

MWG®

Primus 96 well		●		●				
Primus 384 well						●		
The Q-Lifecycler		●	●	●				

Roche®

Lightcycler® 96 system							●	
Lightcycler® 480 system							●	●

Stratagene® / Agilent®

AriaMx Real-Time PCR system				●	●			
Mx3000P™	●	●						
Mx3005P™	●	●	●	●				
Mx4000™	●	●	●					
Gradient Cycler		●		●				
Robocycler 384 well						●		

Techne®

Cyclogene		●		●				
Flexigene		●	●	●				
Genius / Genius Quad		●	●	●				
OMN-E		●	●					
PCR Express	●	●	●			●		
Primus 96		●						
Px2 / PxE		●	●			●		
Quantica			●	●				
TC412 / TC512		●		●		●		
Touchgene / Touchgene Gradient		●	●	●	●			

Our philosophy is uncompromising quality management.

Quality management means the systematic planning of all phases of product development. From market analysis to delivering the final product to the customer, every single phase is subject to a planning and testing process.



EN ISO 13485

DE-M

TRBA 250

CE

ISO 8669

ISO 26825

Biosphere® plus

PCR Performance Tested

P 650

AFNOR

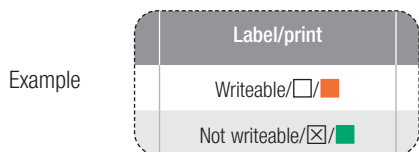


ISO 14820

ISO 23907

Label/print explanation

Below is an explanation of the symbols used on labels and their printed text:



Writeable = label can be written on with e.g. a pen

Not writeable = label cannot be written on

- ☒ = transparent product label for optimal visual inspection of the sample quality
- = white, opaque product label
- = colour of the print

Explanation of the packaging information and packaging symbols

The abbreviations SP, IB and OC in the overview tables for the individual products stand for the following:

SP = smallest sub-packaging of a product e.g. blister.

IB = inner box, the SP is packaged in the IB e.g. 50 blisters in one IB.

OC = outer case, the outer case is usually also the minimum order quantity.

One OC with 500 pieces contains e.g. 10 IB, each with 50 SP.

The pictographs shown symbolise the various packaging options for a SP = sub-packaging. We have included the types of packaging in the product tables to give you an even better overview when you are browsing the SARSTEDT catalogue. You can now see at a glance which packaging units are available to deliver the products you require.

Bag	Double bag	Pallet	Dispenser
Blister	Container	Roll	StackPack
Sheet	Sample container	Tube bag	Stack packaging
Box	Case	Single Refill	Polystyrene containers

Explanation of the material characteristics

Below is a list of abbreviations of the material characteristics of our products. High-quality material properties are a top priority for us and we want to help you find the perfect product solutions for your purpose.

ABS = Acrylnitril Butadien Styrol

CA = Cellulose acetate

GF = Glass fibre

HD-PE = High Density Polyethylene

LD-PE = Low Density Polyethylene

MBS = Methacrylate butadiene styrene

PA = Polyamide

PC = Polycarbonate transparent

PCA = Polycycloalkane

PE = Polyethylene

PES = Polyethersulphone

PET = Polyethylene terephthalate

PL = Polyester

PMMA = Polymethyl methacrylate

PP = Polypropylene

PS = Polystyrene

PVC = Polyvinyl chloride

SB = Styrene butadiene

VA = Stainless steel

Australia

SARSTEDT Australia Pty Ltd
16 Park Way,
Mawson Lakes, South Australia 5095
P.O. Box 90,
Ingle Farm, South Australia 5098
Tel: +61 8 8349 6555
Fax: +61 8 8349 6882
customerservice.au@sarstedt.com
www.sarstedt.com

Austria

SARSTEDT Ges.m.b.H
Industriezentrum Süd
Str.7/Obj. 58/A/1
2351 Wiener Neudorf
Tel: +43 2236 616 82
Fax: +43 2236 620 93
info.at@sarstedt.com
www.sarstedt.com

Belgium

SARSTEDT BV
Uitbreidingsstraat 84/3
2600 Berchem
Tel: +32 3 541 76 92
Fax: +32 3 541 81 03
info.be@sarstedt.com
www.sarstedt.com

Brazil

SARSTEDT Ltda.
Rodovia Marechal Rondon, km 126
Soamim
CEP 18546-412
Porto Feliz – SP
Tel: +55 11 4152 2233
info.br@sarstedt.com
www.sarstedt.com

Canada

SARSTEDT Inc.
6373 Des Grandes Prairies
Montreal, Quebec
H1P 1A5
Tel: +1 514 328 6614
Toll free: +1 888 727 7833
Fax: +1 514 328 9391
info.ca@sarstedt.com
www.sarstedt.com

China

SARSTEDT (Shanghai) Trading Co., Ltd
Rm 1706,
Eton International Business Plaza Tower A,
No. 69 Dongfang Road,
Shanghai, 200120
Tel: +86 21 50 62 01 81
Fax: +86 21 50 58 07 00
info.cn@sarstedt.com
www.sarstedt.com

Croatia

SARSTEDT International GmbH
Podružnica Zagreb
Radnička cesta 80/5
10000 Zagreb
Tel: +385 1 5625760
Fax: +385 1 4961075
info.hr@sarstedt.com
www.sarstedt.com

Czech Republic

SARSTEDT spol. s r.o.
Pod Pekármami 338/12
190 00 Praha 9
Tel: +420 281 021 491
Fax: +420 281 021 495
info.cz@sarstedt.com
www.sarstedt.com

Denmark

SARSTEDT ApS
Brogesvej 18
7441 Bording
Denmark
Tel: +45 8686 5762
info@tempus600.com
www.sarstedt.com

Dubai

SARSTEDT International GmbH
Representative Office
Maze Tower, Office 802
Sheikh Zayed Road,
P.O. Box 334059, Dubai
Tel: +971 4 3888 080
Fax: +971 4 3888 282
info.ae@sarstedt.com
www.sarstedt.com

Finland

SARSTEDT Oy
Teknobulevardi 3-5
01530 Vantaa
Tel: +358 9 374 1044
Fax: +358 9 374 1176
info.fi@sarstedt.com
www.sarstedt.com

France

SARSTEDT S.A.R.L.
Route de Gray
Z.I. des Plantes
70150 Marnay
Tel: +33 384 31 95 95
Fax: +33 384 31 95 99
info.fr@sarstedt.com
www.sarstedt.com

Germany

SARSTEDT AG & Co. KG
P.O. Box 12 20 D-51582 Nümbrecht
Phone: +49 2293 305 0
Fax: +49 2293 305 3450
Customer Service Germany
Phone +49 (0)800 0 83 305 0
export@sarstedt.com
www.sarstedt.com

Great Britain

SARSTEDT Ltd.
Optimus Way
Optimus Point
Leicester LE3 8JR
Tel: +44 116 235 9023
Fax: +44 116 236 6099
info.gb@sarstedt.com
www.sarstedt.com

Greece

SARSTEDT M.E.P.E.
Christou Beka & Agiou Dimitriou
190 04 Spata
Tel: +30 210 6038274
Fax: +30 210 6038276
info.gr@sarstedt.com
www.sarstedt.com

Hong Kong

SARSTEDT International GmbH,
Representative Office Hong Kong
11-12F & Roof Floor,
133 Wai Yip Street
Kwun Tong
Hong Kong Special Administrative Region
Tel: +852 8491 4797
info.hk@sarstedt.com
www.sarstedt.com

Hungary

SARSTEDT Kft
Ezred u. 2
Login Business Park
B2-01-06
1044 Budapest
Tel: +36 1 38 31 216
Fax: +36 1 38 31 213
info.hu@sarstedt.com
www.sarstedt.com

Ireland

SARSTEDT Ltd.
The Arc
Drinagh
Co. Wexford
Y35 RR92
Tel: +353 53 91 44922
Fax: +353 53 91 44998
info.ie@sarstedt.com
www.sarstedt.com

Italy

SARSTEDT S.r.l.
Via Leonardo Da Vinci, 97
20090 Trezzano sul Naviglio (MI)
Tel: +39 02 38292413
Fax: +39 02 38292380
info.it@sarstedt.com
www.sarstedt.com

Japan

SARSTEDT K.K.
Uchikanda Shibuya Bldg, 8F
2-16-11, Uchikanda, Chiyoda-ku,
Tokyo 101-0047
Tel: +81 3 3526 3530
Fax: +81 3 3526 0870
info.jp@sarstedt.com
www.sarstedt.com

Latvia

SARSTEDT SIA
Vietalvas iela 1
1009 Riga
Tel: +371 6 73 10386
Fax: +371 6 70 40723
info.lv@sarstedt.com
www.sarstedt.com

Mexico

SARSTEDT México S. de R.L. de C.V.
Alfredo B Nobel 3, Bodega 10
Colonia Los Reyes Industrial
54073 Tlalnepanitla de Baz
Estado de México
Tel: +5255 8501 1577
Fax: +5255 8501 1578
info.mx@sarstedt.com
www.sarstedt.com

Netherlands

SARSTEDT B.V.
Rithmeesterpark 23 A
4838 GZ Breda
Tel: +31 76 501 75 50
Fax: +31 76 501 76 26
info.nl@sarstedt.com
www.sarstedt.com

Norway

SARSTEDT AS
Rosenholmveien 25
1414 Trollåsen
Tel: +47 64 85 68 20
info.no@sarstedt.com
www.sarstedt.com

Poland

SARSTEDT Sp. z o.o.
ul. Warszawska 25
Blizne Łaszczynskiego
05-082 Stare Babice
Tel: +48 22 722 05 43
Fax: +48 22 722 07 95
info.pl@sarstedt.com
www.sarstedt.com

Portugal

SARSTEDT S.A.
Sintra Business Park, Edificio 8
Zona Industrial da Abrunheira
2710-089 Sintra
Tel: +351 21 915 6010
Fax: +351 21 915 6019
info.pt@sarstedt.com
www.sarstedt.com

Russia

SARSTEDT LLC
Novye Zavody st.
58, 4/1, Peterhof
198517 Saint Petersburg
Tel: +7 495 937 52 28
info.ru@sarstedt.com
www.sarstedt.com

Slovakia

SARSTEDT spol. s r. o.
Údemická 11
851 01 Bratislava
Tel: +421 232 184 930
info.sk@sarstedt.com
www.sarstedt.com

South Korea

SARSTEDT International GmbH
Representation Office South Korea
Samhwan Hypex Building A 301-2,
240 Pangyoyeok-ro, Bundang-gu,
Seongnam-si, Gyeonggi-do, Korea 13493
Tel: +82 31 602 9612
Fax: +82 31 624 4912
info.kr@sarstedt.com
www.sarstedt.com

Spain

SARSTEDT S.A.U.
Camí de Can Grau, 24
Pol. Ind. Valldoríol
08430 La Roca del Vallès
Tel: +34 93 846 41 03
Fax: +34 93 846 39 78
info.es@sarstedt.com
www.sarstedt.com

Sweden

SARSTEDT AB
Bergaliden 11
252 23 Helsingborg
Tel: +46 42 19 84 50
Fax: +46 42 19 84 59
info.se@sarstedt.com
www.sarstedt.com

Switzerland

SARSTEDT AG
Bahnhof Süd 36
9475 Sevelen
Tel: +41 81 750 18 80
Fax: +41 81 750 18 99
info.ch@sarstedt.com
www.sarstedt.com

Taiwan

SARSTEDT International GmbH,
Representative Office Taiwan
14F, Section 5, No.8 Xin Yi Rd.,
Xinyi Dist.
Taipei City 11049
Taiwan
Tel: +886-965-316925
info.tw@sarstedt.com
www.sarstedt.com

Thailand

SARSTEDT International GmbH
Representation Office Southeast Asia
77/174, 39 Fl., Sinn Sathorn Tower,
Krungthoburi Rd.,
Klong-Ton-Sai, Klongsan,
Bangkok, 10600
Tel: +66 2 440 0059
info.th@sarstedt.com
www.sarstedt.com

Turkey

SARSTEDT International GmbH
Türkiye İrtibat Bürosu
Acıbadem Mahallesi,
Akasya Acıbadem Sitesi Kent Kule A
Giriş Kat:27 Da:158
Üsküdar – İstanbul
Tel: +90 216 290 18 65
Fax: +90 216 290 18 64
info.tr@sarstedt.com
www.sarstedt.com

USA

SARSTEDT, Inc.
1025 St. James Church Road
P.O. Box 468
Newton, NC 28658 - 0468
Toll free: +1 800 257 5101
Fax: +1 828 465 4003
customerservice.us@sarstedt.com
www.sarstedt.com

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P

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