

# Gentle to animals

Ordering information for pet blood collection products



### The convenient solution for every animal – together for greater animal welfare.

Many different patients come to your veterinary practice, all with their individual needs. Whether you're treating a tiny chihuahua, a large labrador or a timid tomcat, every pet needs the right preparation and treatment.

Why is this so important?

Firstly, of course, we want our pets to be happy, and secondly, because this phase can affect test results. The period in which decisions are made and procedures implemented prior to specimen processing on laboratory analyzers is known as pre-analytics.

Despite the high precision of modern analysers, the measured result can only be as good as specimen quality allows. Ultimately, reliable results are key to the decision-making process for diagnosis and treatment.



With our expertise in pre-analytics, we assist you and give you products that support your work routine. The goal is to give you more time for the animals and owners that come to your practice.

This ordering information shows our range of blood collection systems and additional material for safe and gentle blood collection from small animals.

- **The S-Monovette®** ..... Page 4  
– safe, gentle and hygienic blood collection from larger pets
- **The Multivette® 600** ..... Page 10  
– gently collect blood from smaller pets using only venous pressure
- **The Micro needle** ..... Page 11  
– even from especially sensitive animals, you can reliably collect each drop,  
e.g. in a Microvette®, a micro tube or prepared micro tube
- **Safe disposal**..... Page 14
- **Individual transport options**..... Page 16
- **Legend for packaging information and symbols**..... Page 19

## Where to find SARSTEDT products

You can obtain most of the blood collection tubes you need from your laboratories. All other equipment can be ordered from distributors. Simply contact your laboratory, your distributor or SARSTEDT directly if you have any questions about our product range.

# Blood collection from larger pets



## Safety-Multifly® needle

- Safety butterfly needle with integral holder
- 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"	Yellow	Multi-adapter	80 mm	1 / 120 / 480		85.1637.205
21G x 3/4"	Green	Multi-adapter	80 mm	1 / 120 / 480		85.1638.205
23G x 3/4"	Blue	Multi-adapter	80 mm	1 / 120 / 480		85.1640.205
25G x 3/4"	Orange	Multi-adapter	80 mm	1 / 120 / 480		85.1642.205
20G x 3/4"	Yellow	Luer (f)	80 mm	1 / 120 / 480		85.1637.203
21G x 3/4"	Green	Luer (f)	80 mm	1 / 120 / 480		85.1638.203
23G x 3/4"	Blue	Luer (f)	80 mm	1 / 120 / 480		85.1640.203
20G x 3/4"	Yellow	Multi-adapter	200 mm	1 / 120 / 480		85.1637.235
21G x 3/4"	Green	Multi-adapter	200 mm	1 / 120 / 480		85.1638.235
23G x 3/4"	Blue	Multi-adapter	200 mm	1 / 120 / 480		85.1640.235
25G x 3/4"	Orange	Multi-adapter	200 mm	1 / 120 / 480		85.1642.235



## Multifly® needle

- 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"	Yellow	Multi-adapter	80 mm	1 / 120 / 480		85.1637.005
21G x 3/4"	Green	Multi-adapter	80 mm	1 / 120 / 480		85.1638.005
23G x 3/4"	Blue	Multi-adapter	80 mm	1 / 120 / 480		85.1640.005
25G x 3/4"	Orange	Multi-adapter	80 mm	1 / 120 / 480		85.1642.005
21G x 3/4"	Green	Luer (f)	200 mm	1 / 120 / 480		85.1638
20G x 3/4"	Yellow	Multi-adapter	200 mm	1 / 120 / 480		85.1637.035
21G x 3/4"	Green	Multi-adapter	200 mm	1 / 120 / 480		85.1638.035
23G x 3/4"	Blue	Multi-adapter	200 mm	1 / 120 / 480		85.1640.035



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

- Safety needle with integral holder
- 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"	Yellow	1 / 50 / 500		85.1372.200
21G x 1"	Green	1 / 50 / 500		85.1373.200
22G x 1"	Black	1 / 50 / 500		85.1441.200
20G x 1 1/2"	Yellow	1 / 50 / 500		85.1160.200
21G x 1 1/2"	Green	1 / 50 / 500		85.1162.200
21G x 1 1/2"	Green	1 / 50 / 500		85.1162.600
22G x 1 1/2"	Black	1 / 50 / 500		85.1440.200

## S-Monovette® needle, 1" and 1 1/2"



- Flat puncturing angle ensured
- Sterile, non-pyrogenic/endotoxin-free

Ø x length	Colour	Packaging (SP/IB/OC)	SP	Order no.
20G x 1"	Yellow	1 / 100 / 1,000		85.1160
21G x 1"	Green	1 / 100 / 1,000		85.1162
22G x 1"	Black	1 / 100 / 1,000		85.1440
20G x 1 1/2"	Yellow	1 / 100 / 1,000		85.1372
21G x 1 1/2"	Green	1 / 100 / 1,000		85.1373
22G x 1 1/2"	Black	1 / 100 / 1,000		85.1441



## S-Monovette® Serum

**Preparation**  
**Purity**

**Clotting activator**  
**Sterile**

- For serum extraction (CAT)
- Preparation: Spherules coated with a clotting activator (silicate)
- 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.
- 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		<b>06.1663.001</b>
2.7 ml	13 mm	75/91 mm	Writeable/□/■	□	50 / 50 / 500		<b>04.1943.001</b>
4 ml	13 mm	75/91 mm	Not writeable/☒/□	□	50 / 50 / 500		<b>04.1924</b>
5.5 ml	15 mm	75/91 mm	Not writeable/☒/□	□	50 / 50 / 500		<b>03.1397</b>



## 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)
- 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.
- 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		<b>06.1667.001</b>
2.7 ml	13 mm	75/91 mm	Writeable/□/■	■	50 / 50 / 500		<b>04.1923.001</b>
4 ml	13 mm	75/91 mm	Not writeable/☒/■	■	50 / 50 / 500		<b>04.1925.001</b>
4.7 ml	15 mm	75/91 mm	Not writeable/☒/■	■	50 / 50 / 500		<b>03.1524.001</b>



## S-Monovette® Lithium Heparin

**Preparation** Lithium Heparin LH  
**Purity** 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.
- For use in: Clinical chemistry, immunology

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
2.7 ml	13 mm	75/91 mm	Writeable/□/■	■	50 / 50 / 500		04.1929.001
4.0 ml	13 mm	75/91 mm	Writeable/□/■	■	50 / 50 / 500		04.1920
5.5 ml	15 mm	75/91 mm	Not writeable/☒/■	■	50 / 50 / 500		03.1628



## 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.
- For use in: Clinical chemistry, immunology

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
2.7 ml	13 mm	75/91 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1928
4.7 ml	15 mm	75/91 mm	Writeable/□/■	■	50 / 50 / 500		03.1631.001



## S-Monovette® K3 EDTA

**Preparation** K3 EDTA  
**Purity** 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: Hematology

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	13 mm	66/82 mm	Writeable/□/■	■	50 / 50 / 500		05.1081.001
2.6 ml	13 mm	65/81 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1901
2.7 ml	13 mm	75/91 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1917
2.7 ml	11 mm	66/82 mm	Not writeable/☒/■	■	50 / 50 / 500		05.1167
3.4 ml	13 mm	65/81 mm	Not writeable/☒/■	■	50 / 50 / 500		04.1914



## S-Monovette® ThromboExact

**Preparation** Mg<sup>2+</sup> compound  
**Purity** 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® Citrate

**Preparation** Citrate 9NC  
**Purity** 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.
- For use in: Routine hemostaseology 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		<b>06.1668.001</b>
2.9 ml	13 mm	65/81 mm	Not writeable/☒/■	■	50 / 50 / 500		<b>04.1902</b>
3 ml	13 mm	75/91 mm	Not writeable/☒/■	■	50 / 50 / 500		<b>04.1919</b>
3 ml	11 mm	66/82 mm	Not writeable/☒/■	■	50 / 50 / 500		<b>05.1165</b>
4.3 ml	13 mm	75/91 mm	Not writeable/☒/■	■	50 / 50 / 500		<b>04.1922</b>



## S-Monovette® Fluoride EDTA

**Preparation** Fluoride + EDTA  
**Purity** 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.
- 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		<b>06.1665.001</b>
2.6 ml	13 mm	65/81 mm	Not writeable/☒/■	■	50 / 50 / 500		<b>04.1903</b>
2.7 ml	13 mm	75/91 mm	Not writeable/☒/■	■	50 / 50 / 500		<b>04.1918</b>
2.7 ml	11 mm	66/82 mm	Not writeable/☒/■	■	50 / 50 / 500		<b>05.1073</b>





## 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 (Ca<sup>2+</sup>)-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		<b>05.1146</b>
1 ml	66 x 11 mm	With plastic label	□/■	–	1 / 100 / 500		<b>05.1146.020</b>
2 ml	66 x 11 mm	With plastic label	□/■	–	50 / 50 / 500		<b>05.1147</b>
2 ml	66 x 11 mm	With plastic label	□/■	–	1 / 100 / 500		<b>05.1147.020</b>
2 ml	66 x 11 mm	With plastic label	□/■	Membrane adapter assembled	1 / 100 / 500		<b>05.1147.028</b>
2 ml	66 x 11 mm	With plastic label	□/■	Ventilator assembled	1 / 100 / 500		<b>05.1147.048</b>



## 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		<b>14.1112</b>



## 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		<b>14.1205</b>
Luer lock	1 / 100 / 1,000		<b>14.1205.100</b>



## Multivette® 600

Closure **Screw cap**

- Venous blood collection with a Luer needle
- Easy and safe handling
- Outer container with skirted base
- Graduations for easy volume estimation

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



## Microvette® APT 500 K2E: 250 and 500 µl

Closure **Pierceable membrane**      Cap **Yes**

- Quick-release cap pre-assembled
- Collection via tube rim
- Automated processing directly from the primary tube
- Meets the specifications of most blood count analysis systems
- Graduations for easy volume estimation

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		<b>20.1330</b>



## Micro needle

- Ideal for venous blood collection of even the tiniest quantities
- Minimal blood loss with no residual volume in the holder
- Ridged grip for a good secure allows optimal needle handling
- Can be rotated 360° in difficult vein conditions
- Exceptional needle quality and exposed outlet opening enable free blood flow

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



## Microvette® 300 with collection rim

Closure Cap

- Outer container with skirted base
- Smooth cap – special lid design reduces the aerosol effect
- Graduations for easy volume estimation
- Conical inner tube: supernatant is higher after centrifugation for easier collection of plasma
- Collection via tube 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

Closure Cap

- Outer container with skirted base
- Smooth cap – special lid design reduces the aerosol effect
- Graduations for easy volume estimation
- 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



## Microvette® with capillary

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
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



## Prepared micro sample tubes with push caps

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

- Ideal collection tubes for small volumes of blood
- Attached push cap enables one-handed collection technique
- Transparent label with graduations ideal for checking the fill 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

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

- Ideal collection tube for small volumes of blood
- Screw cap with o-ring ideal for transport and storage
- Screw cap with membrane is available for analyzer compatibility (REF 41.3395.005)
- Paper label with graduations to check the fill 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

Material	Polypropylene (PP)
Base	Round base

- Sample tubes in a range of volumes
- Standard preparations available
- Ideal for a wide variety of requirements
- With graduations to check the fill 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




## 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
- Multi-Safe twin plus available in six volumes: 0.5 l, 1.5 l, 2.0 l, 2.5 l, 3.0 l and 5.0 l



### 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	Meets requirements	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		<b>77.3898.206</b>
6 l	–	PP	–	TRBA 250, UN 3291, DIN EN ISO 23907	21 / 21 / 21		<b>77.3898.506</b>
11 l	–	PP	–	TRBA 250, DIN EN ISO 23907	10 / 10 / 10		<b>77.3898.511</b>



## Multi-Safe sani: 200 ml

**Meets requirements** 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 twin plus: 500 - 5,000 ml

**Label** With plastic label  
**Meets the requirements** 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

## Checklist for transport

- Seal specimens (evaporation)
- Store serum/plasma at 4-8°C
- Store upright
- Store EDTA for blood count at room temperature
- Avoid repeated freezing & thawing
- Protect light-sensitive measured values ("light parameters") from daylight (e.g. bilirubin)
- Use special preparation for stabilisation (e.g. Monovette® HCY-Z-Gel for homocysteine)



## Mailing container – round

**Meets requirements**  
**Cap**

**P 650, ADR**  
**Without**

- Mailing container made of PP as a secure container for blood, urine and stool sample tubes
- 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 opening	Colour	Absorbent liner	Packaging (SP/IB/OC)	SP	Order no.
85 mm	30 mm	☒	No	50 / 50 / 500		<b>78.890</b>
85 mm	30 mm	☒	Yes	50 / 50 / 500		<b>78.892</b>
114 mm	44 mm	☒	No	50 / 50 / 250		<b>78.895</b>
114 mm	44 mm	☒	Yes	50 / 50 / 250		<b>78.897</b>
126 mm	30 mm	☒	No	50 / 50 / 250		<b>78.896</b>
126 mm	30 mm	☒	Yes	50 / 50 / 250		<b>78.898</b>
126 mm	30 mm	■	Yes	50 / 50 / 250		<b>78.898.300</b>



## Screw caps for transport containers – round



**Material** Polypropylene (PP)

- Screw cap for round mailing containers
- Available in a range of 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

## Mailing container – square



**Meets requirements** P 650, ADR  
**Cap** Enclosed

- Mailing container with screw cap made of HD-PE as a safe container 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

## “Correct labelling” checklist

- Patient data
- Owner data
- Address of the veterinary practice (inc. customer number)
- Material (e.g. serum, plasma)
- Desired profile
- The outermost packaging must include information on the specimen:  
“Exempt Animal Specimen” or label UN3373 pursuant to the Ordinance on Hazardous Substances for potentially infectious specimens



## Mailing box for safe transportation of diagnostic samples (UN3373)

Meets requirements P 650, 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 interchangeably for all SARSTEDT mailing containers or cold transport containers
- Options available with integrated locking mechanism or enclosed to secure or cushion secondary containers
- Custom print available 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		<b>95.900</b>
107 x 198 x 50 mm	Diagnostic specimens	Locking mechanism	50 / 50 / 50		<b>95.901</b>
220 x 170 x 40 mm	Diagnostic specimens	Enclosed foam foil pouch	50 / 50 / 50		<b>95.902</b>
192 x 146 x 75 mm	Cold transport container	–	50 / 50 / 50		<b>95.903</b>



## Cold transport container with packaging

- Mailing packaging for the secure cold transport of medical and biological 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	Meets requirements	Packaging (SP/IB/OC)	SP	Order no.
Cold transport container	140 x 71 x 170 mm	German	No	P 650, ADR	1 / 1 / 6		95.995
Cold transport container	140 x 71 x 170 mm	English	No	P 650, ADR	1 / 1 / 6		95.1123
Cold transport container	140 x 71 x 170 mm	French	No	P 650, ADR	1 / 1 / 6		95.1124
Absorbent liner	–	–	–	–	100 / 100 / 2,500		78.671
Polystyrene container	140 x 71 x 168 mm	–	No	–	1 / 1 / 36		95.1011

## Explanation of packaging information and packaging symbols

The abbreviations SP, IB and OC in the tables for 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 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. You can now see at a glance which packaging units are available to deliver the products you require.

	Bag
	Blister
	Case
	Polystyrene containers

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