SARSTEDT

Blood collection systems for paediatrics

Pre-analytics

Paediatrics

Children, our most sensitive patient group, need an especially gentle blood collection system.

Our Smallest patients

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

Our primary concern is to minimise the filling volume of each collection in order to keep the diagnostic blood loss as low as possible. Depending on age, weight and blood volume, you can choose from our extensive product portfolio for both capillary and venous blood collection.

Neonates

Infants & Toddlers

School-aged children

Find the right S-Monovette® for your use:

sarstedt.com/s-monovette-en

We have the solution for every age groups

Neonatology – Neonates

Minimal sample volumes for our smallest patients

Micro needle & micro sample tubes

The micro needle was developed to meet the specific needs of neonatology and has a grooved holder that ensures a optimal and safe puncture. It is available in three different diameters. The short design of the cannula means minimal dead volume during sample collection. In addition to safe puncture, the micro needle holder also allows you to turn the cannula in the vein. This makes it easy to eliminate any blockage at the cannula bevel. Suitable micro sample tubes with a screw cap or push cap and Microvettes for very small samples are available in various different preparations. The nominal volume ranges from 100 µl up to 1.3 ml, depending on the type of tube and preparation.

Safety-Heel®

Congenital metabolic diseases and endocrinopathies should be detected early in order to initiate appropriate and effective treatment. For this process, blood is collected for newborn screening, usually by heel puncture. Puncture with conventional vertical lancets can increase the risk of injury (i.e penetrate deeper layers of skin,leading to bone damage) and haematoma. As this is often a painful procedure, the Safety-Heel® incision lancet is the ideal way to reduce the sensation of pain and optimise blood collection. By making semi-circular incisions and shallower cuts, the Safety-Heel® counteracts the formation of haematomas, ensuring that the screening is a much less painful experience for your little patient.

Micro Needle, Micro Sample tubes & Safety Heel®

Easy to use

The grooved holder of the micro needle ensures safe and easy puncture, while a suitable micro tube is available for collection.

Safety heel® – Gentle blood collection from the heel with the lancet

Babys – Toddlers

Capillary blood collection for toddlers

Safety Lancet & Microvette®

Depending on the requirements, Microvette® tubes with a cylindrical or conical inner tube shape and a volume range of 100 to 500 µl are available. Capillary blood can be collected using an 'end-to-end' capillary or a collection rim.
The Microvettes can also be used as collection tubes for open venous blood collection methods.

Our range of Safety-Lancets® provides the user with options of different incision depths and blood volumes depending on the different anatomies of the little patients.

Microvette®, Microvette® APT & Safety Lancet

Different puncture options with the Safety Lancet

Microvette® – One product, three uses

The Microvette® makes it possible to collect blood with the end-to-end capillary, the collection rim or as an open venous blood collection tube.

Microvette® 100/200 – blood collection with end-to-end capillary

Microvette® 300/500 – blood collection with collection rim

Microvette® as open venous blood collection tube

Toddler – Schoolchild

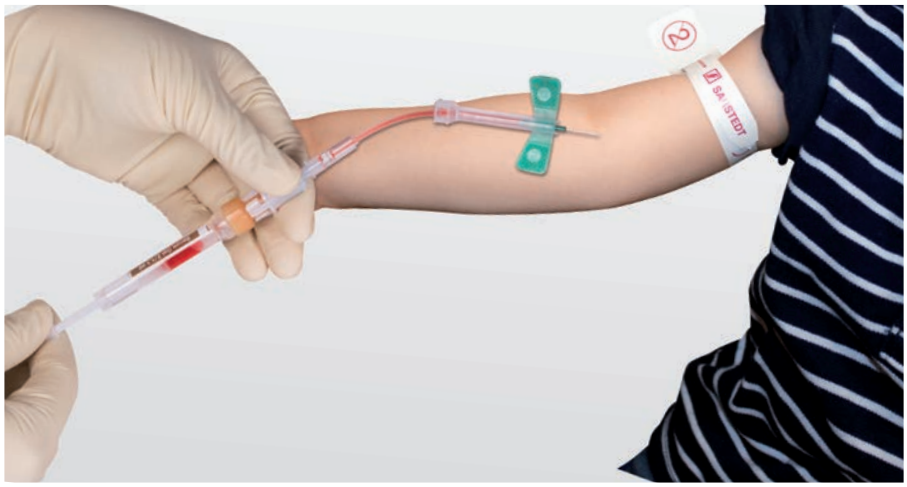
Venous blood collection with minimal sample volume

Safety-Multifly® needle & S-Monovette®

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 paediatrics.

Safety-Multifly® needle & S-Monovette®

Optimal safety and comfort for patient and user



S-Monovette®

Serum Gel CAT

Preparation	Nominal volume	Length without/with cap x Ø	Cap colour	Packaging (SP/IB/OC)	Order no. with transparent label	Order no. with coloured paper label	Order no. with pre-barcoded label
	1.1 ml	66/82 x 8 mm	■	50 / 50 / 500		06.1667.001	

Serum CAT

Preparation	Nominal volume	Length without/with cap x Ø	Cap colour	Packaging (SP/IB/OC)	Order no. with transparent label	Order no. with coloured paper label	Order no. with pre-barcoded label
	1.2 ml	66/82 x 8 mm	□	50 / 50 / 500		06.1663.001	
	1.6 ml	75/91 x 13 mm	□	50 / 50 / 500	04.2911	04.2911.001	

Lithium Heparin Gel LH

Preparation	Nominal volume	Length without/with cap x Ø	Cap colour	Packaging (SP/IB/OC)	Order no. with transparent label	Order no. with coloured paper label	Order no. with pre-barcoded label
	1.1 ml	66/82 x 8 mm	■	50 / 50 / 500		06.1669.001	

Lithium heparin LH

Preparation	Nominal volume	Length without/with cap x Ø	Cap colour	Packaging (SP/IB/OC)	Order no. with transparent label	Order no. with coloured paper label	Order no. with pre-barcoded label
	1.2 ml	66/82 x 8 mm	■	50 / 50 / 500		06.1666.001	
	1.6 ml	75/91 x 13 mm	■	50 / 50 / 500	04.2913	04.2913.001	

Citrate 9NC, 3.2%

Preparation	Nominal volume	Length without/with cap x Ø	Cap colour	Packaging (SP/IB/OC)	Order no. with transparent label	Order no. with coloured paper label	Order no. with pre-barcoded label
	1.4 ml	66/82 x 8 mm	■			06.1668.001	
	1.8 ml	75/91 x 13 mm	■	50 / 50 / 500	04.1955	04.1955.001	04.1955.088

EDTA K3E

Preparation	Nominal volume	Length without/with cap x Ø	Cap colour	Packaging (SP/IB/OC)	Order no. with transparent label	Order no. with coloured paper label	Order no. with pre-barcoded label
	1.2 ml	66/82 x 8 mm	■			06.1664.001	
	1.6 ml	66/82 x 11 mm	■	50 / 50 / 500	05.1081	05.1081.001	
	1.6 ml	75/91 x 13 mm	■	50 / 50 / 500	04.1956(.001)*		
	1.8 ml	65/81 x 13 mm	■	50 / 50 / 500	04.1951	04.1951.001	04.1951.088

Fluoride EDTA FE

Preparation	Nominal volume	Length without/with cap x Ø	Cap colour	Packaging (SP/IB/OC)	Order no. with transparent label	Order no. with coloured paper label	Order no. with pre-barcoded label
	1.2 ml	66/82 x 8 mm	■			06.1665.001	

* On request

Safety-Multifly® needles, micro sample tubes and micro needles

Safety Multifly® needle for S-Monovette®

Image	Ø /Length	Colour code	Design	Tube length	Packaging (SP/ IB/OC)	MOQ	Order no
	0.8 mm /19 mm	■	21G x 3/4“ Multi-adapter	80 mm	1 / 120 / 480	480	85.1638.205
	0.6 mm /19 mm	■	23G x 3/4“ Multi-adapter	80 mm	1 / 120 / 480	480	85.1640.205
	0.5 mm /19 mm	■	25G x 3/4“ Multi-adapter	80 mm	1 / 120 / 480	480	85.1642.205

Prepared micro sample tubes with attached press-in stopper and transparent label

Image	Preparation	Nominal volume	Ø/Length	Cap colour	Packaging (SP/IB/OC)	MOQ	Order no
	Serum CAT	1.3 ml	10.8 mm/ 40 mm	□	100 / 100 / 1,000	1,000	41.1501.005*
	Serum Gel CAT	1.1 ml	10.8 mm/ 40 mm	■	100 / 100 / 1,000	1,000	41.1500.005*
	Lithium heparin LH	1.3 ml	10.8 mm/ 40 mm	■	100 / 100 / 1,000	1,000	41.1503.005*
	EDTA K3E	1.3 ml	10.8 mm/ 40 mm	■	100 / 100 / 1,000	1,000	41.1504.005*
	Fluoride Heparin FH	1.3 ml	10.8 mm/ 40 mm	■	100 / 100 / 1,000	1,000	41.1505.005*
	Citrate 9NC 3.2%	1.3 ml 1.0 ml 0.5 ml	10.8 mm/ 40 mm	■	100 / 100 / 1,000	1,000	41.1506.005 41,1506 41.1506.002

* Version also available with paper label: End number .015

Prepared micro sample tubes with screw cap

Image	Preparation	Nominal volume	Ø/Length	Cap colour	Packaging (SP/IB/OC)	MOQ	Order no
	Serum CAT	1.3 ml	10.8 mm/ 45 mm	□	100 / 100 / 1,000	1,000	41.1392.005
	Serum Gel CAT	1.1 ml	10.8 mm/ 45 mm	■	100 / 100 / 1,000	1,000	41.1378.005
	Lithium heparin LH	1.3 ml	10.8 mm/ 45 mm	■	100 / 100 / 1,000	1,000	41.1393.005
	EDTA K3E	1.3 ml	10.8 mm/ 45 mm	■	100 / 100 / 1,000	1,000	41.1395.005 41.3395.005
	Fluoride Heparin FH	1.3 ml	10.8 mm/ 45 mm	■	100 / 100 / 1,000	1,000	41.1394.005
	Citrate 9NC 3.2%	1.3 ml	10.8 mm/ 45 mm	■	100 / 100 / 1,000	1,000	41.1350.005

Micro needle

Image	Ø/Length	Colour code	Design	Packaging (SP/IB/OC)	MOQ	Order no
	0.8 mm/36 mm	■	21 G x ¾”	1 / 50 / 500	50	85.921
	0.6 mm/36 mm	■	23 G x ¾”	1 / 50 / 500	50	85.923
	0.5 mm/36 mm	■	25 G x ¾”	1 / 50 / 500	50	85.925

Microvette® APT, Microvette® 100 / 200

Microvette® APT with cylindrical inner tube

Image	Preparation	Nominal volume	Length / Ø	Cap colour	Packaging (SP/IB/OC)	MOQ	Order no
	EDTA K2E	250 µl	75 mm x 13 mm	■	50 / 50 / 500	500	20.1331
	EDTA K2E	500 µl	75 mm x 13 mm	■	100 / 100 / 500	500	20.1330

Microvette® 100 with conical inner tube

Image	Preparation	Nominal volume	Cap colour	Packaging (SP/IB/OC)	MOQ	Order no
	Serum CAT	100 µl	□	100 / 100 / 1,000	1,000	20.1280
	Lithium heparin LH	100 µl	■	100 / 100 / 500	500	20.1282

Microvette® 100 with cylindrical inner tube

Image	Preparation	Nominal volume	Cap colour	Packaging (SP/IB/OC)	MOQ	Order no
	EDTA K3E	100 µl	■	100 / 100 / 1,000	1,000	20.1278

Microvette® 200 with conical inner tube

Image	Preparation	Nominal volume	Cap colour	Packaging (SP/IB/OC)	MOQ	Order no
	Serum CAT	200 µl	□	100 / 100 / 1,000	1,000	20.1290
	Lithium heparin LH	200 µl	■	100 / 100 / 1,000	1,000	20.1292
	Fluoride Heparin FH	200 µl	■	100 / 100 / 1,000	1,000	20.1289

Microvette® 200 with conical inner tube

Image	Preparation	Nominal volume	Cap colour	Packaging (SP/IB/OC)	MOQ	Order no
	Serum Gel CAT	200 µl	■	100 / 100 / 1,000	1,000	20.1291
	EDTA K3E	200 µl	■	100 / 100 / 1,000	1,000	20.1288

Microvette® 300 / 500 and Microvette® CB 200 ESR

Microvette® 300 with conical inner tube

Image	Preparation	Nominal volume	Cap colour	Packaging (SP/IB/OC)	MOQ	Order no
	Serum CAT	300 µl	☐	100 / 100 / 1,000	1,000	20.1308
	Lithium heparin LH	300 µl	■	100 / 100 / 1,000	1,000	20.1309
	Fluoride Heparin FH	300 µl	■	100 / 100 / 1,000	1,000	20.1307

Microvette® 500 with cylindrical inner tube

Image	Preparation	Nominal volume	Cap colour	Packaging (SP/IB/OC)	MOQ	Order no
	Serum CAT	500 µl	☐	100 / 100 / 1,000	1,000	20.1343
	Serum Gel CAT	500 µl	■	100 / 100 / 1,000	1,000	20.1344
	Lithium heparin LH	500 µl	■	100 / 100 / 1,000	1,000	20.1345
	Lithium heparin LH	500 µl	■	100 / 100 / 1,000	1,000	20.1346
	EDTA K3E	500 µl	■	100 / 100 / 1,000	1,000	20.1341

Microvette® CB 200 ESR

Image	Preparation	Nominal volume	Cap colour	Packaging (SP/IB/OC)	MOQ	Order no
	Citrate	200 µl	■	50 / 50 / 500	500	18.1325

Safety & Incision lancets, Urine Monovette® and carrier tubes

Safety lancet

Image	Preparation	Needle diameter / blade width	Penetration depth	Colour code	Packaging (SP/IB/OC)	MOQ	Order no
	Safety lancet mini	28 G	1.6 mm		200 / 200 / 1,200	1,200	85.1015
	Safety lancet neonatal	Blade 1.5 mm	1.2 mm		200 / 200 / 1,200	1,200	85.1019
	Safety lancet super	Blade 1.5 mm	1.6 mm		200 / 200 / 1,200	1,200	85.1018

Incision lancet - Safety Heel®

Image	Preparation	Width of the blade	Penetration depth	Colour code	Packaging (SP/IB/OC)	MOQ	Order no
	Premature babies	1.75 mm	0.85 mm		50 / 50 / 200	200	85.1025
	Neonates	2.5 mm	1.0 mm		50 / 50 / 200	200	85.1026

Urine Monovette®

Image	Volume	Tube length / Ø in mm	Design	Packaging (inner/outer box)	MOQ	Order no
	3.2 ml	75 / 13 mm	with paper label, incl. suction tip	512/1	512	10.250.001

Carrier tubes for paediatrics S-Monovette®, micro sample tubes as well as Microvette® and Multivette® 600

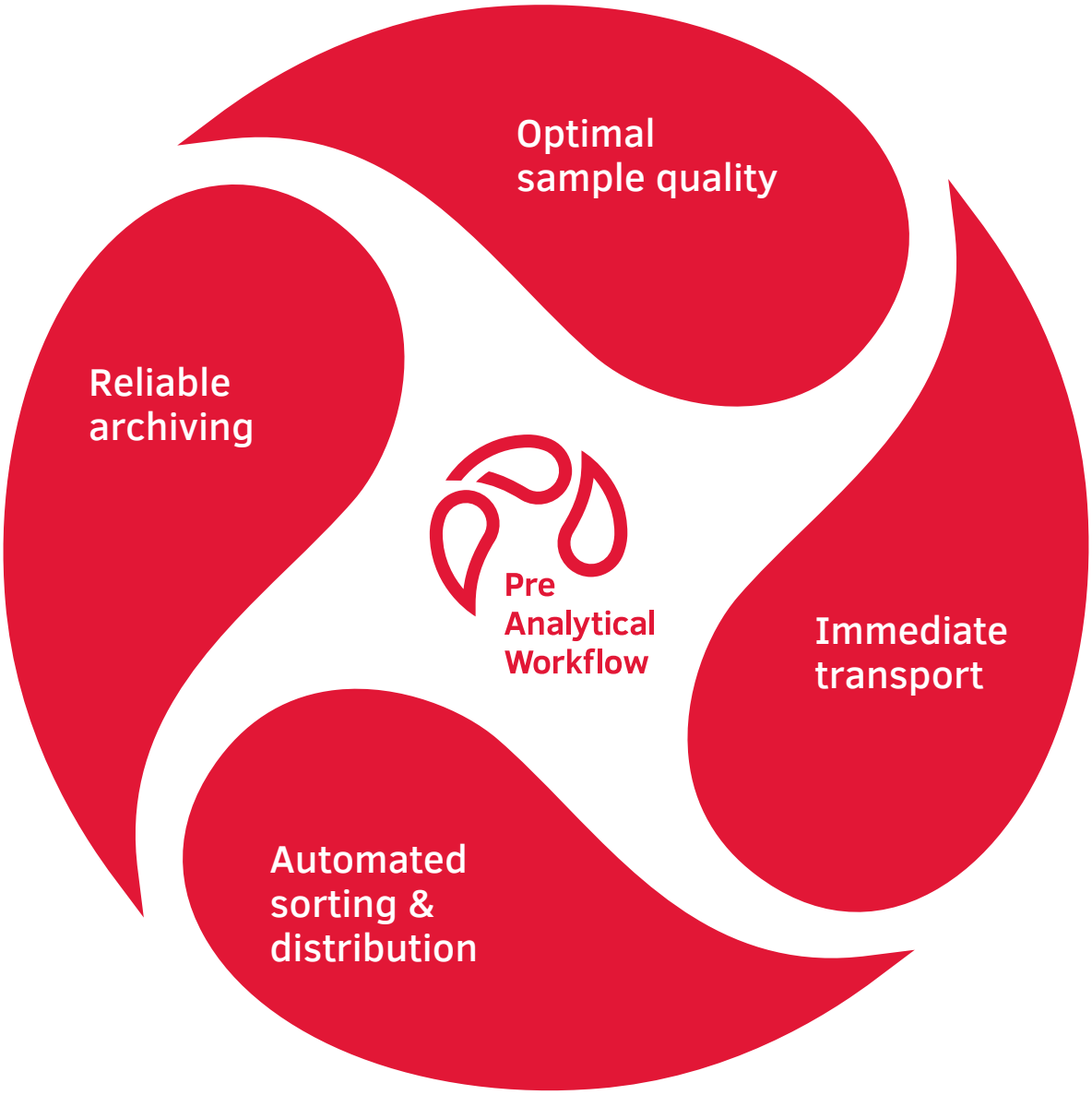
Image	suitable for	Length x Ø	Base shape	Colour	Packaging (SP/IB/OC)	SP	MOQ	Order no
	S-Monovette® with Ø 8 mm	54 x 11 mm	Flat bottom	☒	250 / 250 / 1,000		1,000	55.1570
	S-Monovette® with Ø 8 mm	54 x 11 mm	Flat bottom		250 / 250 / 1,000		1,000	55.1570.002
	S-Monovette® with Ø 8 mm, Microvette® and micro sample tubes	65 x 13 mm	Round bottom	☒	250 / 250 / 1,000		1,000	55.1571
	S-Monovette® with Ø 8 mm, Microvette® and micro sample tubes	65 x 13 mm	Round bottom		250 / 250 / 1,000		1,000	55.1571.051
	S-Monovette® with Ø 8 mm	55 x 13 mm	Round bottom	☒	250 / 250 / 1,000		1,000	55.1572
	Microvette® and micro sample tubes with screw cap	75 x 13 mm	Round bottom		250 / 250 / 2,000		2,000	55.525.002
	Microvette® and micro sample tubes with screw cap	75 x 13 mm	Round bottom	☒	250 / 250 / 2,000		2,000	55.525.003
	Multivette® 600	60 x 11.5 mm	Flat bottom	☒	250 / 250 / 1,000		1,000	55.1577
	Multivette® 600	60 x 11.5 mm	Flat bottom		250 / 250 / 1,000		1,000	55.1577.002

Pre-analytical workflow made by SARSTEDT

Take advantage of the synergy of our synchronised systems.

Discover the 360° solutions for your pre-analytics from SARSTEDT:

workflow.sarstedt.com



If you have any questions, we'll be happy to help!

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