



***Blood collection
systems for paediatrics***

Paediatrics

Gentle conservative blood collection is required for children, our most sensitive patient group



Neonates



Infants & Toddlers



Children

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.

An extensive product portfolio provides numerous capillary and venous blood collection choices enabling appropriate equipment decisions.

Solutions for every age group



Neonatology – neonates

Minimal sample volumes for our smallest patients



Micro-Needle & Micro sample tubes



Micro-Needle & micro sample tubes

The Micro-Needle was developed to meet the specific needs of neonatology and has a grooved holder that ensures optimum and safe puncture. It is available in three different diameters. The short design of the canula means a minimal dead volume during sample collection. Safe puncture aside, the Micro-Needle holder allows you to turn the cannula in the vein. As such, it is easy to remove any blockage at the cannula bevel. Suitable micro sample tubes with a screw top or cap and Microvettes for very small samples are available in various different preparations. The nominal volume ranges from 100 µl to 1.3 ml, depending on the type of container and preparation.

Safety-Heel®

Metabolic diseases and endocrinopathies should be detected as early as possible in newborns so that the correct treatment can begin and be effective. A newborn screening blood collection has to be performed to do this, usually by puncturing the baby's heel. Puncture with conventional lancets is vertical, however, so the risk of injury (i.e. cutting several layers of skin right through to the bone) and haematoma is very high. By making semi-circular incisions and shallower cuts, the Safety-Heel® counteracts the formation of haematoma, ensuring that the screening is a much less painful experience for your little patient.

Simple use

A grooved holder ensures safe and easy puncture, while a suitable micro tube is available for collection.



Gentle heel incisions



Babies – infants

Capillary blood collection for infants



Microvette® & Safety-Lancet / Safety-Heel®



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.

Collect capillary blood using an 'end-to-end' capillary or the collection rim.

The Microvettes can also be used for collection with open venous blood collection methods.

Safety lancet options provide different incision depths and blood volumes depending on the different anatomies of the little patients.

Microvette® – One product, three uses

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



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



Microvette® 300/500 – blood collection with collection rim



Microvette® with Micro-Needle

Different puncture options with the Safety-Lancet



Toddler – child

Venous blood collection with minimal sample volume



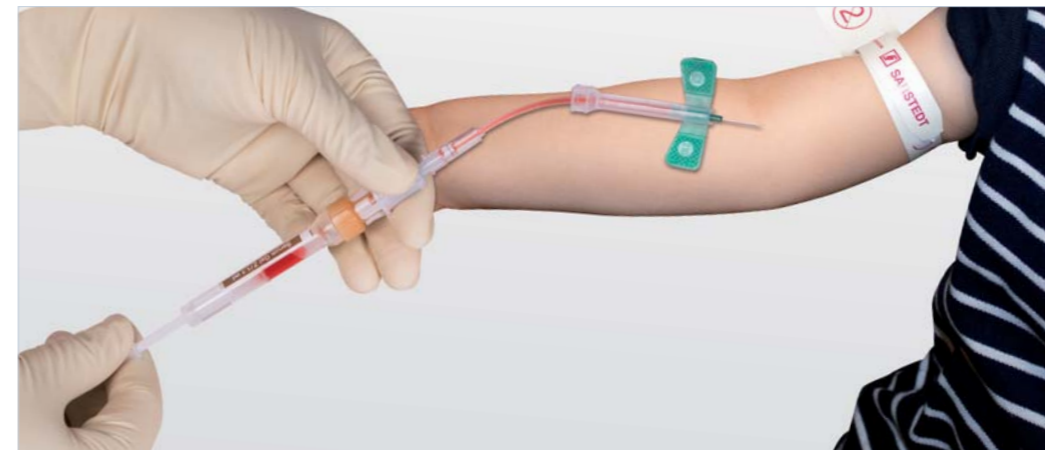
S-Monovette® & Safety-Multifly®




Safety-Multifly® needle & S-Monovette®

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

Safety and comfort for patient and user



S-Monovette® & Microvette® (incl. suitable carrier tubes)

	Serum	Serum gel	Lithium heparin	Lithium heparin gel	EDTA	Fluoride	Citrate coagulation	Blood sedimentation
								
S-Monovette® 1.1 / 1.2 ml 8 mm Ø _{1,3}	06.1663.001	06.1667.001	06.1666.001	06.1669.001	06.1664.001	06.1665.001	06.1668.001	05.1079*
Microvette® 500 µl _{1,2}	20.1343	20.1344	20.1345	20.1346	20.1341			
Microvette® 300 µl _{1,2}	20.1308		20.1309			20.1307		
Microvette® 200 µl _{1,2}	20.1290	20.1291	20.1292		20.1288	20.1289		
Microvette® 100 µl _{1,2}	20.1280		20.1282		20.1278			
Microvette® CB 200 BSG ^{1,2}								18.1325


* S-Monovette® 2 ml, 66 x 11 mm Ø

¹ suitable for carrier tubes 75 x 13, Order No. 55.1571


² suitable for carrier tubes 75 x 13, Order No. 55.525.003

³ suitable for carrier tubes 65 x 13, Order No. 55.1572

Micro sample tubes

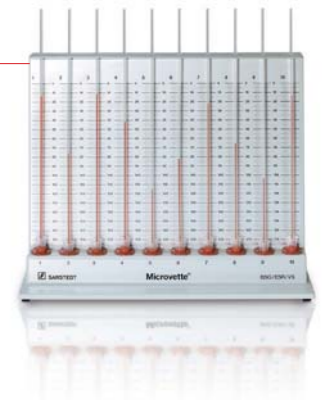
	Serum	Serum gel	Lithium heparin	EDTA	Fluoride	Citrate coagulation
						
Micro sample tubes 1.3 ml with cap	41.1501.005	41.1500.005	41.1503.005	41.1504.005	41.1505.005	41.1506.005
Micro sample tubes 1.0 ml with cap						41.1506
Micro sample tubes 0.5 ml with cap						41.1506.002
Micro sample tubes 1.3 ml with screw cap	41.1392.005		41.1393.005	41.1395.005	41.1394.005	41.1350.005
Micro sample tubes 1.3 ml with membrane screw cap				41.3395.005		
Micro sample tubes 1.1 ml with screw cap		41.1378.005				

Micro-Needle, Safety-Lancet, Safety-Heel® Incision Lancet, Safety-Multifly®

	21 G x 3/4"	23 G x 3/4"	25 G x 3/4"	28 G	Blade 1.5 straight	Blade 1.75 incision	Blade 2.5 incision
							
Micro-Needle	85.921	85.923	85.925				
Safety-Lancet / Safety-Heel® Incision Lancet				85.1015	85.1019	85.1023	85.1022
Safety-Multifly®	85.1638.205	85.1640.205	85.1642.205				

ESR rack for Microvette® CB 200

Order No.	Material	Design	Packaging unit/case
90.1091	Plastic	ESR rack for Microvette® CB 200	1



Urine-Monovette®

Order No.	Volume in ml	Tube length / Ø in mm	Design	Packaging unit/case
10.250.001	3.2	75/13	with paper label, incl. suction tip	512





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



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