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Capillary Blood Collection System

Sample container for blood collection, storage and dispense of capillary blood samples from the human body for in vitro diagnosis

Capillary Blood Collection Systems are the ideal combination for taking blood samples using an application-specific specimen cup

The system uses an integrated end-to-end capillary to measure out the required blood volume

The specimen cup and plastic capillary are reagent-treated in accordance with the purpose of the analysis to improve sample stability

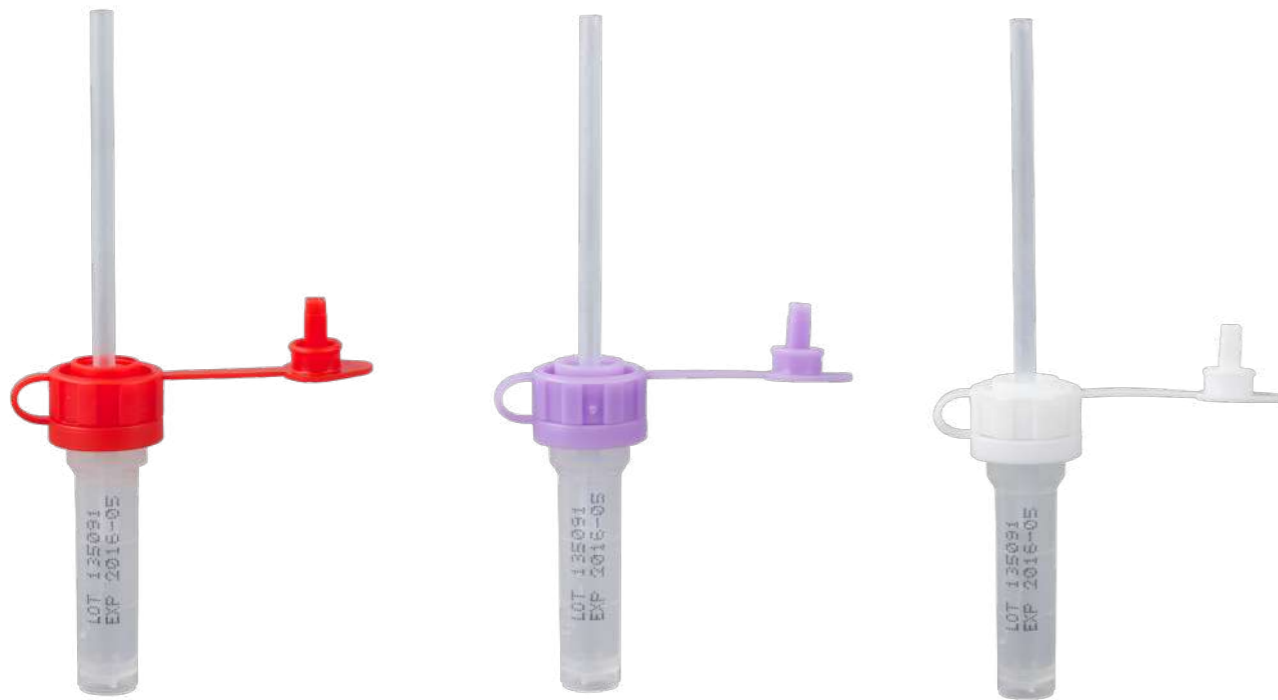
The use of unbreakable plastic material reduces the risk of infection of patient and user

The two-in-one vessel with click-clack closure combines collection and storage, thus avoiding contamination and loss of volume

Each vessel is explicitly marked with the respective production lot and expiry date

The geometry of the interior of the vessel facilitates the extraction of small blood volumes

The exterior shape of the vessel makes it high connective



Capillary Blood Collection System

Sample container for blood collection, storage and dispense of capillary blood samples from the human body for in vitro diagnosis

Suitable for preparing blood samples for haematological and other clinical diagnostic examinations

The click-clack closure ensures safe handling during the whole sampling process

Thanks to its optimized construction, no blood can escape from the collection system

The interior surface is treated with application-specific coating to optimise the use of samples

A colour code of the closures simplifies identification of the application type

Available in source coding based on EN 14820 or DIN ISO 6710

Specification colour code	EN 14820	DIN ISO 6710
Serum	white	red
EDTA-blood	red	lilac
Citrate – ESR	-	black

Capillary Blood Collection System

Sample container for blood collection, storage and dispense of capillary blood samples from the human body for in vitro diagnosis

The special closure construction allows an automatic sample processing without the need of opening the sample container



Capillary volume	Preparation for haematology determination	Colour code international	REF
~75 µl	EDTA-K3	pink	650715
~150 µl	EDTA-K3	pink	651515
~200 µl	EDTA-K3	pink	652015



Capillary volume	Preparation for haematology determination	Colour code European	REF
~150 µl	EDTA-K3	red	701515
~200 µl	EDTA-K3	red	702015

Capillary volume	Preparation for haematology determination	Colour code European	REF	Colour code international	REF
~100 µl	EDTA-K2	red	671005	lilac	681005
~200 µl	EDTA-K2	red	672005	lilac	682005
~250 µl	EDTA-K2	-	-	lilac	682505

Capillary volume	Preparation Clotting activator for serum collection	Colour code European	REF	Colour code international	REF
~250 µl	Serum	white	672502	red	682502

ESR Capillary Blood Collection System

Sample container for blood collection, storage and dispense of capillary blood samples from the human body for in vitro diagnosis

To measure the erythrocyte sedimentation rate (ESR) of capillary blood, following the Westergren method

User-optimised blood collection system available as a set: dosed specimen vessel, a fixed-volume sampling capillary and a sedimentation pipette

The sedimentation stand has a user-friendly readability due to an integrated graduation scale

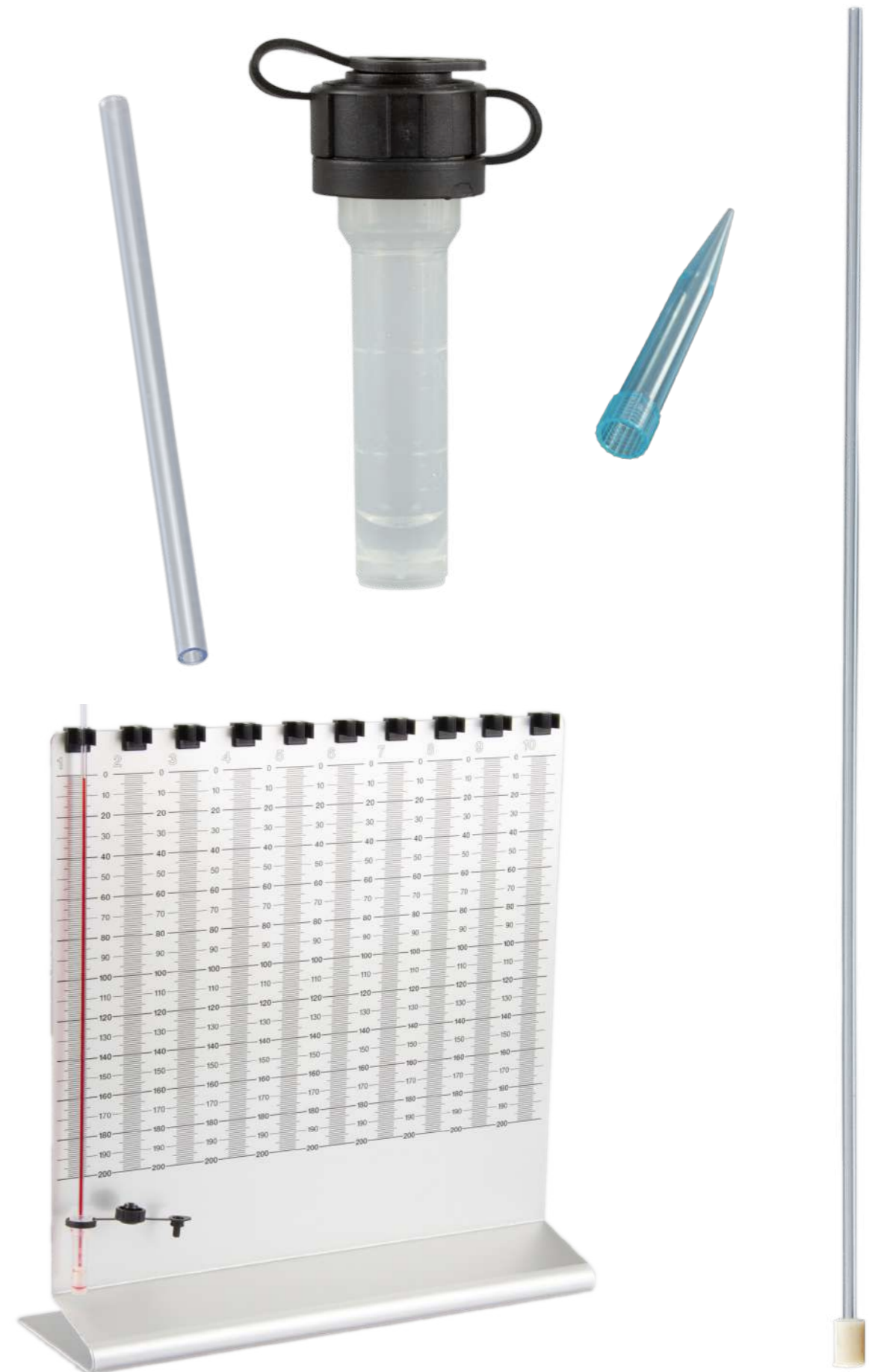
Robust aluminium design

ESR Capillary Blood Collection System

Capillary volume	Anticoagulant	Colour code international	REF
~200 µl	Na-Citrat 3,13%	black	682029

Accessories for ESR Capillary Blood Collection System

Description	Dimension	Packaging pcs.	REF
Sedimentation stand 10-fold	30 x 32 x 10 cm	1	530000



Blood Gas Sampling System (sterile)

In vitro diagnostic medical device, sample container for arterial blood collection, storage and dispense of blood samples from the human body for subsequent pH/blood gas, oximetry, electrolyte and metabolite analysis

The use of liquid electrolyte compensated heparin secures the optimum quality of blood gas samples during specimen collection

Standardised connections facilitate compatibility with blood gas analysers

Use of unbreakable plastic ensures safe and efficient blood collection

Available in different volumes of 1 ml or 2 ml as a Luer-Slip or Luer-Lock version

The use of the AUTOSTOP-Cap enables sample deaeration without contamination

Individually wrapped in sterile, user-orientated blister packaging

Preparation	Connection	Volume	Packaging pcs.	REF
~50 I.U. Lithium-Heparin	Luer-Slip	1-2 ml	50	3999503
~50 I.U. electrolyte compensated heparin	Luer-Slip	1 ml	50	999017
~50 I.U. electrolyte compensated heparin	Luer-Slip	1-2 ml	50	3999599
~50 I.U. electrolyte compensated heparin	Luer-Lock	1 ml	50	999020
~50 I.U. electrolyte compensated heparin	Luer-Lock	1-2 ml	50	3999598
~80 I.U. electrolyte compensated heparin	Luer-Slip	1-2 ml	50	3999594
~80 I.U. electrolyte compensated heparin	Luer-Lock	1-2 ml	50	3999597

System pack with AUTOSTOP-Cap	Connection	Volume	Packaging pcs.	REF
~50 I.U. electrolyte compensated heparin with AUTOSTOP-Cap	Luer-Slip	1 ml	50	999019
~50 I.U. electrolyte compensated heparin with AUTOSTOP-Cap	Luer-Slip	1-2 ml	50	3999591

Blood gas sampling system without death volume	Connection	Volume	Packaging pcs.	REF
~50 I.U. electrolyte compensated heparin without death volume	Luer-Slip	1 ml	50	999007



A-K-FIX Blood Gas Sampling System sterile

In vitro diagnostic medical device, sample container for arterial or capillary blood collection, storage and dispense of blood samples from the human body for subsequent pH/blood gas, oximetry, electrolyte and metabolite analysis

The special construction of the AUTOSTOP-Cap automatically stops the blood flow once the capillary is completely filled

Only venous pressure is sufficient to completely fill the capillary

The even coating with ~100 I.U. / ml balanced Lithium-Heparin ensures the optimum effect of the anticoagulant

Chemically neutral plastic ensures minimum gas permeability

Use of unbreakable plastic ensures safety for patient and user

Standardised connections facilitate compatibility with blood gas analysers

Description	Volume	Size	Packaging pcs.	REF
A-K-FIX with Luer-Slip connector, including closing cap, sterile, single packed	~230 µl	~2,33 x 131 mm	50	191202
A-K-FIX with Luer-Slip connector, with suction nozzle, including closing cap, sterile, single packed	~230 µl	~1,75 x 131 mm	50	191220

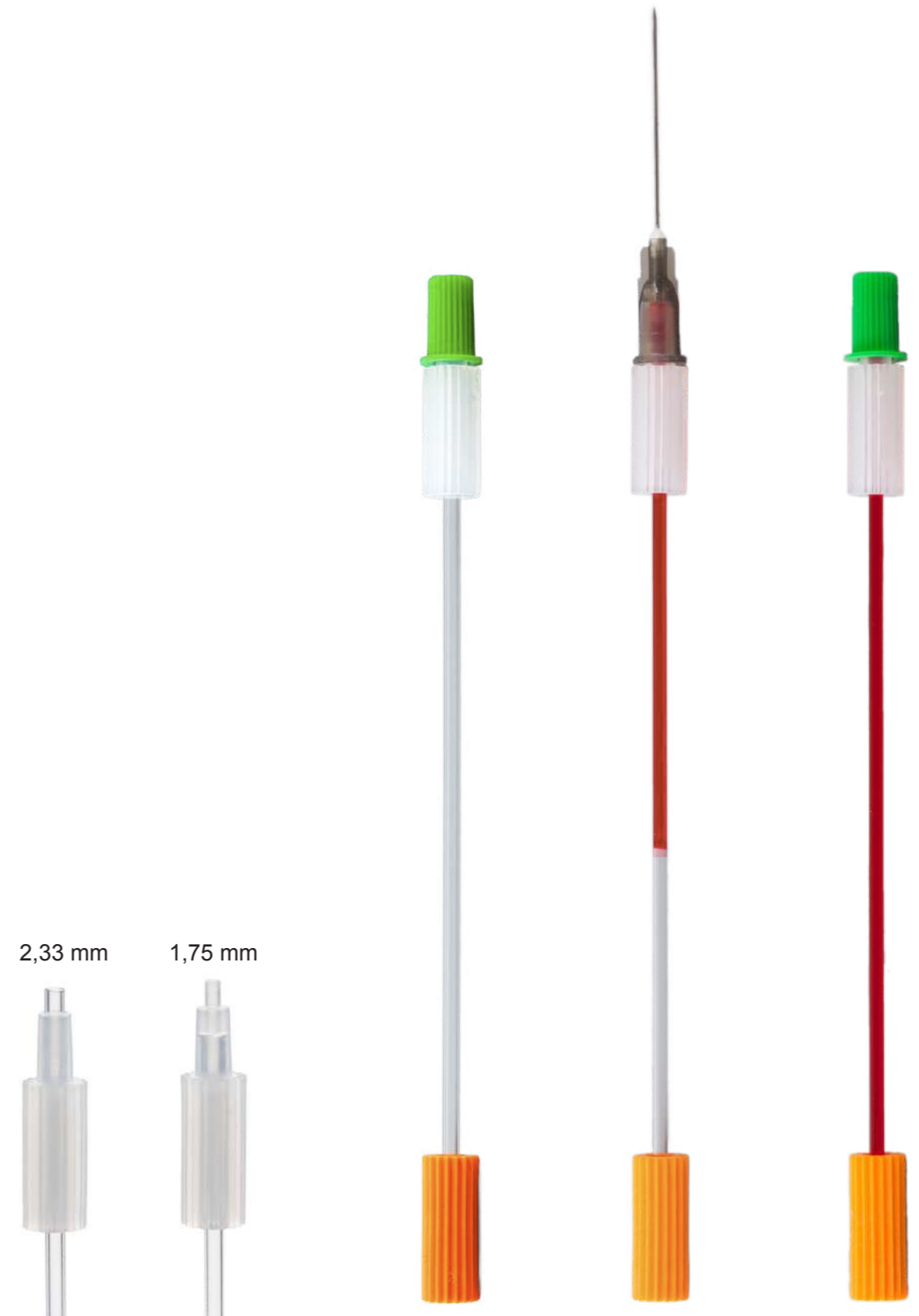
Recommended needles for A-K-FIX

Description	Colour	Size	Packaging pcs.	REF
Needles for single use, sterile, single packed ■ Henke-Sass-Wolf GmbH ☒ 0535	blue	0,60 x 25 mm 23Gx1" Nr. 16	100	191316

Capillary-Set sterile

Plastic capillaries for blood gas, including 2 closing caps, sterile, single packed

Description	Volume	Size	Packaging pcs.	REF
~50 I.U. / ml balanced Lithium-Heparin	~250 µl	~2,35 x 300 mm	10	181000
~100 I.U. / ml balanced Lithium-Heparin	~115 µl	~1,95 x 78 mm	50	182116
~100 I.U. / ml balanced Lithium-Heparin	~140 µl	~1,75 x 116 mm	50	182117



Plastic Capillaries for Blood Gas

In vitro diagnostic medical device, sample container for capillary blood collection and dispense of blood samples from the human body for subsequent pH/blood gas, oximetry, electrolyte and metabolite analysis

Even coating with anticoagulant optimises blood flow and capillary filling

Use of balanced Lithium-Heparin provides the basis for prevention of blood clotting during sample handling

Use of chemically neutral plastic ensures minimum gas permeability

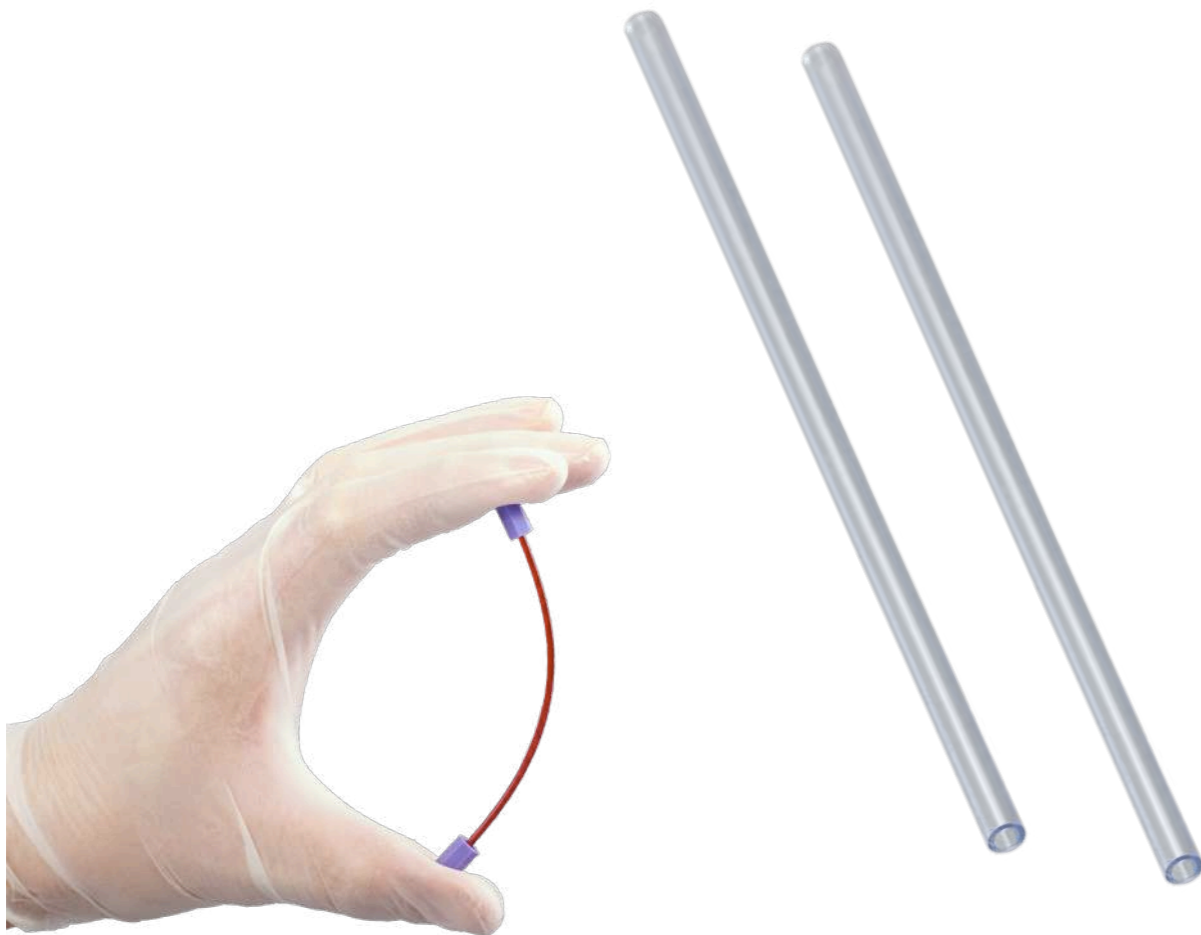
Use of unbreakable plastic ensures safety for patient and user

Available in the following concentrations of heparin:
~50 I.U. / ml, ~100 I.U. / ml and ~200 I.U. / ml

Established plastic dispenser box or reclosable cardboard tube



Dispenser box



Cardboard tube

Plastic Capillaries for Blood Gas

In vitro diagnostic medical device, sample container for capillary blood collection and dispense of blood samples from the human body for subsequent pH/blood gas, oximetry, electrolyte and metabolite analysis

Capillary volume	Heparin concentration*	Length	Outer Ø	Packaging pcs.	Packed in**	REF
~80 µl	~50 I.U. / ml	~100 mm	~1,65 mm	10 x 100	DB	104110
~90 µl	~50 I.U. / ml	~80 mm	~1,75 mm	10 x 100	DB	101080
~100 µl	~50 I.U. / ml	~90 mm	~1,75 mm	10 x 100	DB	101090
~110 µl	~50 I.U. / ml	~100 mm	~1,75 mm	10 x 100	DB	101100
~130 µl	~50 I.U. / ml	~120 mm	~1,75 mm	10 x 100	DB	101120
~140 µl	~50 I.U. / ml	~90 mm	~2,33 mm	10 x 100	DB	102090
~155 µl	~50 I.U. / ml	~100 mm	~2,33 mm	10 x 100	DB	102100
~185 µl	~50 I.U. / ml	~120 mm	~2,33 mm	10 x 100	DB	102120
~50 µl	~100 I.U. / ml	~75 mm	~1,75 mm	10 x 100	DB	107076
~60 µl	~100 I.U. / ml	~55 mm	~1,75 mm	10 x 100	DB	101061
~70 µl	~100 I.U. / ml	~45 mm	~1,95 mm	10 x 100	DB	101970
~70 µl	~100 I.U. / ml	~64 mm	~1,75 mm	10 x 100	DB	104056
>80 µl	~100 I.U. / ml	~80 mm	~1,75 mm	10 x 100	DB	101071
~80 µl	~100 I.U. / ml	~54 mm	~1,95 mm	10 x 100	DB	102118
~100 µl	~100 I.U. / ml	~90 mm	~1,75 mm	10 x 100	DB	101091
~110 µl	~100 I.U. / ml	~100 mm	~1,75 mm	10 x 100	DB	101104
~115 µl	~100 I.U. / ml	~78 mm	~1,95 mm	10 x 100	DB	102117
~130 µl	~100 I.U. / ml	~120 mm	~1,75 mm	10 x 100	DB	101122
~140 µl	~100 I.U. / ml	~116 mm	~1,75 mm	10 x 100	DB	101115
~140 µl	~100 I.U. / ml	~90 mm	~2,33 mm	10 x 100	DB	102091
~150 µl	~100 I.U. / ml	~100 mm	~1,95 mm	10 x 100	DB	102116
~165 µl	~100 I.U. / ml	~150 mm	~1,75 mm	4 x 250	CT	101151-250
~170 µl	~100 I.U. / ml	~100 mm	~2,00 mm	10 x 100	DB	105107
~180 µl	~100 I.U. / ml	~120 mm	~1,95 mm	10 x 100	DB	102119
~185 µl	~100 I.U. / ml	~120 mm	~2,33 mm	10 x 100	DB	102125
~200 µl	~100 I.U. / ml	~180 mm	~1,75 mm	4 x 250	CT	101181-250
~230 µl	~100 I.U. / ml	~150 mm	~2,33 mm	5 x 200	CT	102155-200
~90 µl	~200 I.U. / ml	~80 mm	~1,75 mm	10 x 100	DB	101082
~185 µl	~200 I.U. / ml	~120 mm	~2,33 mm	10 x 100	DB	102122

* balanced Lithium-Heparin

** DB = dispenser box / CT = Cardboard tube



Description	Packaging pcs.	REF
Capillary-Kit consisting of: Plastic capillaries for blood gas REF: 105107 – 200 pieces Mixing Sticks REF: 110009 – 200 pieces Six-edge Closing Caps REF: 110181 – 400 pieces Mixing Magnet REF: 110080 – 1 piece	1	105107-KIT

Analyser Type	Manufacturer	Recommended Blood Gas Capillaries			
		102116	102117	102118	105107
GEM4000	IL	102116	102117	102118	105107
ABL7	Radiometer	101122	-	-	-
8 XX	Radiometer	101122	-	-	-
9x Serie	Radiometer	101122	-	-	-
8x Serie	Bayer / Siemens	102120	-	-	-
12xx Serie	Bayer / Siemens	102120	-	-	-
b221	Roche COBAS	101180	-	-	-

Plastic Capillaries

Capillary volume	Preparation	Length	Outer Ø	Packaging pcs.	Packed in**	REF
~50 µl	plain	~75 mm	~1,75 mm	10x100	DB	106075
~80 µl	plain	~100 mm	~1,65 mm	10x100	DB	104111

Accessories for Plastic Capillaries and Blood Gas Sampling Systems

Use after blood collection and/or dispense of blood samples from the human body for in vitro diagnosis

Inadvertent rolling of filled blood gas capillaries can be avoided by using the special formed Six-edge Closing Caps

A colour code simplifies identification of the size of the closing caps

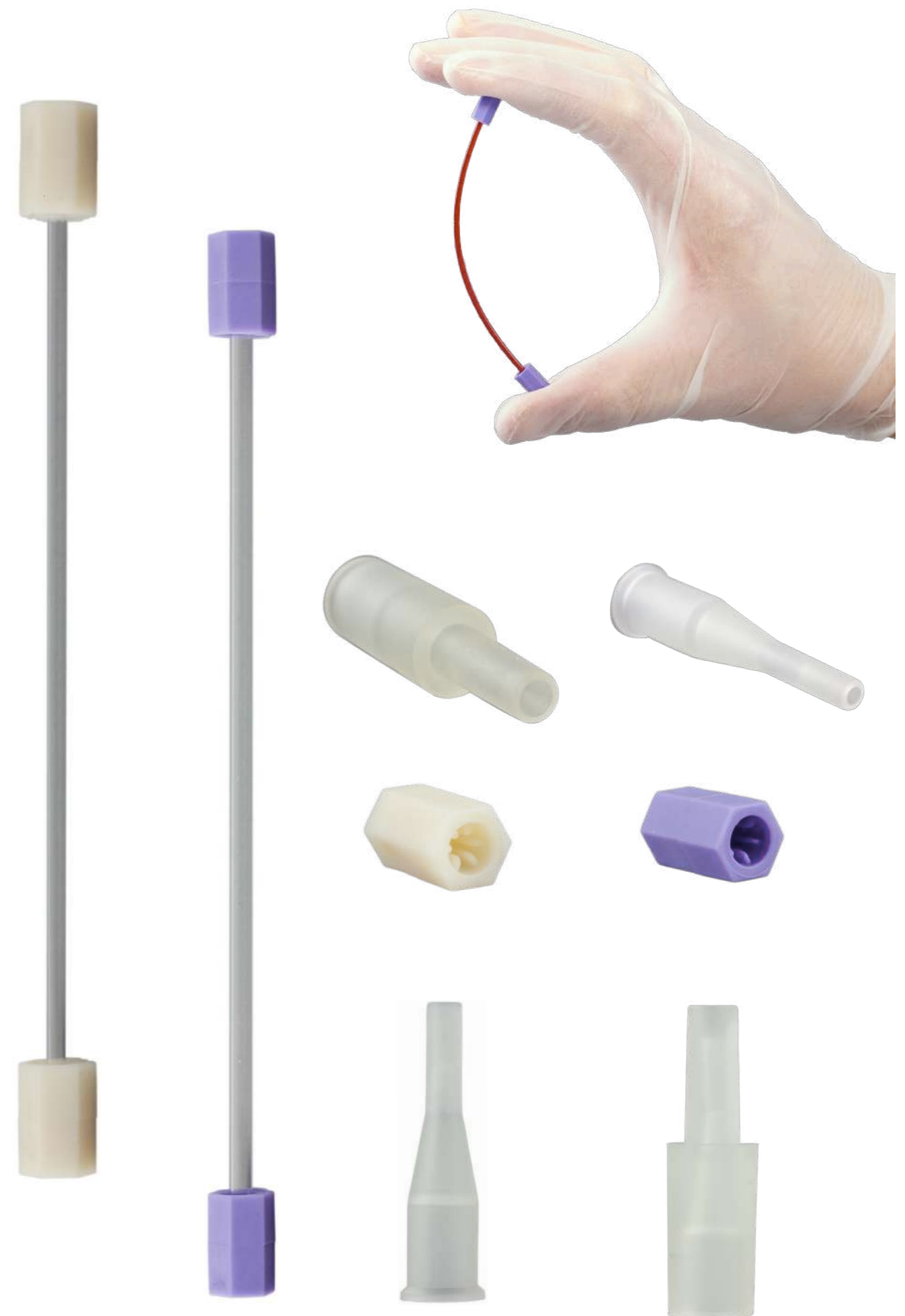
The tapered inside shape optimizes the sealing features of the closing caps

Usable with all diameters of our Plastic Capillaries for Blood Gas

A variety of capillary adapter types ensures connectivity to different analyser types

All adapters are equipped with a clot catcher to protect the analyser used

Description	Packaging pcs.	REF
Six-edge Closing Caps for Plastic Capillaries for Blood Gas with outer Ø 1,6 - 1,9 mm, natural-coloured	500	110180
Six-edge Closing Caps for Plastic Capillaries for Blood Gas with outer Ø 2,0 – 2,4 mm, lilac	500	110181
Universal-Luer-Adapter with clot-catcher	500	960994
Capillary-Luer-Adapter with clot-catcher	500	960998



Accessories for Plastic Capillaries and Blood Gas Sampling Systems

Use after blood collection and/or dispense of blood samples from the human body for in vitro diagnosis

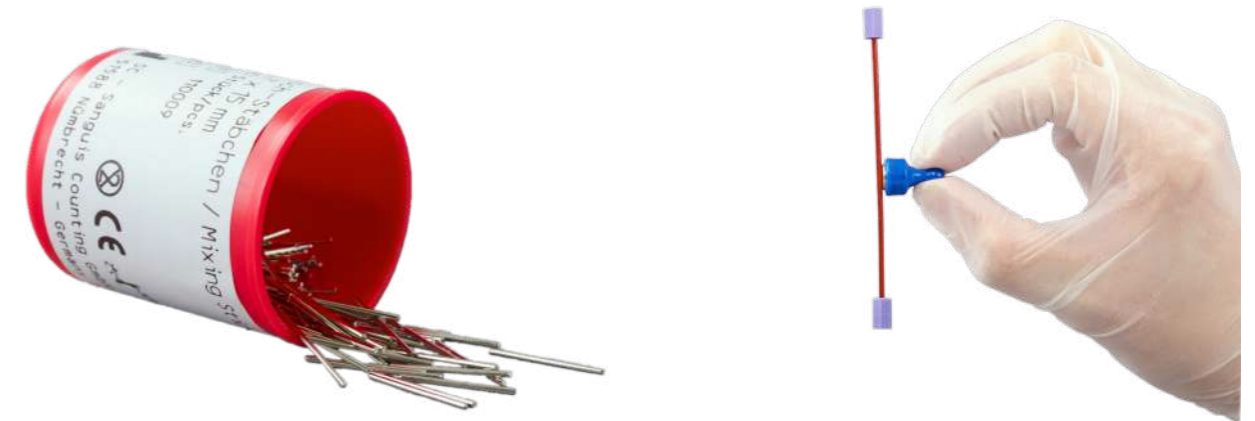
Magnetic stainless-steel Mixing Sticks can be used with all Plastic Capillaries for Blood Gas

Packed in functional reclosable dispenser boxes containing 500 Mixing Sticks

The autoclavable Mixing Magnet for mixing of blood samples

The practical Capillary Holder helps medical staff to avoid direct contact with the sample

Description	Packaging pcs.	REF
Blood Lancets, sterile, for single use Paul Marienfeld GmbH & Co. KG. CE 0297	200	120000
Mixing Sticks for Plastic Capillaries for Blood Gas 0,7 x 15 mm	5000	110009
Mixing Sticks for Plastic Capillaries for Blood Gas 0,7 x 9 mm	5000	110007
Mixing Magnet, autoclavable	1	110080
Capillary Holder for Plastic Capillaries end-to-end, 55 mm	1	110000
Luer-AUTOSTOP-Cap	500	960999



Plastic Capillaries end-to-end

In vitro diagnostic medical device, sample container for blood collection and dispense of capillary blood samples from the human body for in vitro diagnosis

Use of unbreakable and chemical neutral plastic ensures safety for patient and user

Evenly coated with anticoagulant optimises blood flow and capillary filling

Prevention of blood clotting while sample handling by using Natrium-Heparin and EDTA as coating

Measurement accuracy of variation coefficient (CV) < 1%

Colour-coding of the dispenser box helps to easily identify the required capillary volume

Description	Capillary volume	Colour coding	Length	Packaging pcs.	REF Na-Heparin	REF EDTA	REF plain
Plastic Capillaries end-to-end	5 µl	white	~30 mm	10 x 100	100005	-	100006
	10 µl	orange	~30 mm	10 x 100	100010	-	-
	20 µl	black	~30 mm	10 x 100	100020	100120	100022



General Information

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All our products are dedicated in vitro diagnostic medical devices and may on principle not be used or acquired for other purposes.

Resellers must bear in mind that the original manuals relative to each product may on principle not be changed, reformulated or removed from the original packaging.

No additional labels or symbols may be affixed to the individual or outer packaging and those affixed by the manufacturer may not be removed or effaced.

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Notes

