

# Blood collection





# Blood collection





## Micro Haematocrit Capillary Tubes

Micro Haematocrit Capillary Tubes are quality products, that conform to international standard ISO 12772. The tubes are firepolished at the colour-coded end to reduce wear on the centrifuge seals. We recommend the colour-coded end to be sealed with our Wax plate. The colour-coding on the tubes and packaging indicates the impregnation of the tube: plain (blue colour), sodium heparin (red colour), ammonium heparin (green colour) and lithium heparin (orange colour). Each heparinised tube contains at least 4-7 IU heparin as prescribed by the standard. The Micro Haematocrit Tubes are also available in plastic with plain, sodium, or ammonium heparin in a volume of ~50 µl. The plastic tubes offer an alternative to glass and can be selected where a plastic option is preferred for handling and safety considerations, without compromising compliance with the standard.

The tubes are available in two types of packaging: Dispenser vials of 100 tubes each for hygienic and easy handling; and economy cardboard boxes of 1000 tubes, which reduce transport and handling costs. Special requirements regarding marking, dimensions or impregnation are possible.

### Accessories

A wax plate has 2x24 numbered positions per pair, which makes it easy to seal and transport samples. Each pair can be forced apart and used separately.

Product	Article no.
Wax plate 2 x 5 pcs.	140013

Shelf life 4 years



### Standard Micro Haematocrit Capillary Tubes

Colour Code	Impregnation	d (mm) +/- 0.05 mm	D (mm) +/- 0.05 mm	L (mm) +/- 0.5 mm	Vol. (µl)	Article No. 10 x 100	Article No. 1 x 1000
●	Plain	1.15	1.55	75	~75	160213	163213
●	Sodium Hep.	1.15	1.55	75	~75	161313	163613
●	Ammon. Hep.	1.15	1.55	75	~75	160813	164013
●	Lithium Hep.	1.15	1.55	75	~75	161813	*
●	EDTA	1.15	1.55	75	~75	167313	*

Shelf life 4 years

### Non-standard Micro Haematocrit Capillary Tubes

Colour Code	Impregnation	d (mm) +/- 0.05 mm	D (mm) +/- 0.05 mm	L (mm) +/- 0.5 mm	Vol. (µl)	Article No. 10 x 100	Article No. 1 x 1000
●	Plain	0.95	1.35	75	~50	160413	163413
●	Sodium Hep.	0.95	1.35	75	~50	161513	163813
●	Ammon. Hep.	0.95	1.35	75	~50	160913	*
●	Lithium Hep.	0.95	1.35	75	~50	160613	*

Shelf life 4 years

### Precalibrated Micro Haematocrit Capillary Tubes

Colour Code	Impregnation	d (mm)	Tol. d. mm	D (mm) +/- 0.05 mm	L (mm) +/- 0.5 mm	Vol. 1 (µl)	Vol. 2 (µl)	Article No. 10 x 100
●	Sodium Hep.	0.55	+/-0.05	1.55	75	~14	~18	162713
●	Ammon. Hep.	0.55	+/-0.05	1.55	75	~14	~18	162813
●	Lithium Hep.	1.023	+/-0.02	1.50	75	~32	~61	161113

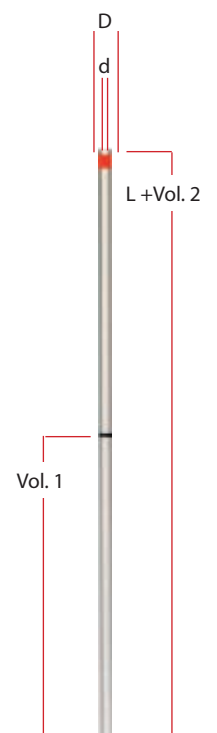
Shelf life 4 years

### Plastic Micro Haematocrit Capillary Tubes

Colour Code	Impregnation	d (mm) +/- 0.08 mm	D (mm) +/- 0.08 mm	L (mm) ± 1.0mm	Vol. (µl)	Article No. 10 x 100
●	Plain	0.85	1.55	75	~50	260213
●	Sodium Hep.	0.85	1.55	75	~50	261313
●	Ammon. Hep.	0.85	1.55	75	~50	260813

Shelf life 2 years

\* Available upon request  
For special tubes contact us





## End-to-End Pipettes

End-to-End Pipettes are intended for applications where accurate capillary tube volume is required. The pipettes are in conformity with ISO 7550.

The pipettes are packed in glass vials with a dispenser top, that makes it easy to shake out one tube at a time and thereby ensuring hygienic handling.

The dispenser tops are colour-coded to indicate the tube volume in conformity with ISO 1769. Ten vials are packaged in a sturdy carton in order to protect the tubes from damage during handling or transport.

### Tolerances

Vol. (µl)	Accuracy	CV
1 - 10	± 0.50%	0.75%
20 - 100	± 0.50%	0.60%

### Accessories

Product	Article No.
Pipette holder - white siphon	140413
Pipette holder - transparent siphon	140313



Shelf life 4 years



## Technical Specifications

Colour Code	Vol. ( µl )	L (mm) +/- 1mm	Pcs./box	Plain	Natrium Hep.	Ammon. Hep.	K2EDTA
●	1	29	10x100	165013	167513 *	169013 *	*
●	2	29	10x100	165113	167613 *	169113 *	*
●	3	29	10x100	165213	167713 *	169213 *	*
●	4	29	10x100	165313	167813 *	169313 *	*
○	5	29	10x100	165413	167913 *	169413 *	170113 *
●	10	29	10x100	174313	177113 *	179213 *	174113 *
●	20	29	10x100	174513	177213 *	179313 *	174413 *
○	25	29	10x100	174613	177313 *	179413 *	178213 *
●	40	29	10x100	174813	177413 *	179513 *	*
●	44.7	29	10x50	175013	177713 *	178613 *	*
●	50	29	10x50	174913	177513 *	179613 *	171113 *

\* Available upon request  
For lithium hep. please contact us

Shelf life 4 years

Vol.





## Precalibrated Pipettes

Precalibrated Pipettes are intended for applications where accurate capillary tube volume is required. The pipettes are in conformity with ISO 7550.

The pipettes are packed in cardboard vials. The pipettes have a standard length of 125 mm and the colour-coding on each pipette indicates the volume, which is measured from the base and up to the thin black ringmark.

### Tolerances

Vol. ( µl )	Accuracy	CV
1-5	± 0.30%	0.60%
10-200	± 0.25%	0.50%

### Technical Specifications

	White	White	Orange	Orange	Black	White	Red	Red	Purple	Green	Green	Blue	Blue	Red
Vol. ( µl )	1,2,3,4,5	5	10	5-10	20	25	40	20-40	44.7	50	20-50	100	50-100	100-200
Pcs.	4x250	4x250	4x250	4x250	4x250	4x250	4x250	4x250	4x250	4x250	4x250	4x250	4x250	4x125
Plain	128813	126013	126213	125513	126413	126613	129313	125913	126813	127013	125613	127213	125713	129413
Na Hep.	128913	127413	127613	125213	127813	128013	128413	129913	128213	128513	129113	128613	127113	127713

250 pcs. except 100-200 µl, which are packed in vials of 125 pcs.  
Other coatings available upon request i.e. Lithium, Ammonium, EDTA.

Shelf life 4 years





## Capillary and Melting Point Tubes

Capillary Tubes are perfect for the handling and transport of small volumes of liquid, melting point determinations and many other purposes. Melting Point tubes are uniform and cut at right angles. The tubes are packed as bulk in boxes. The tubes are also possible to pack in vials of 100 pcs. upon special request.



### Technical Specifications

d (mm) +/- 0.05	D (mm) +/- 0.05	L (mm) +/- 1	Pcs.	Capillary Tubes Both ends open	Melting Point One end closed
0.80	1.00	80	2000	210013	218013
0.80	1.00	100	2000	210113	218113
0.90	1.20	70	1000	210213	218213
0.90	1.20	100	1000	210313	218313
1.00	1.40	75	1000	210413	218413
1.00	1.40	80	1000	210513	218513
1.00	1.40	100	1000	210613	218613
1.00	1.40	125	1000	210713	218713
1.00	1.40	150	1000	210813	218813
1.00	1.40	200	5000	210913	218913
1.15	1.55	80	1000	211013	219013
1.15	1.55	100	1000	211113	219113
1.20	1.65	75	500	211213	219213
1.20	1.65	100	500	211313	219313
1.20	1.65	125	1000	211413	219413
1.20	1.65	150	1000	211513	219513
1.20	1.65	200	3000	211613	219613
1.40	1.90	125	500	211713	219713
1.50	2.00	75	500	211813	219813
1.50	2.00	100	500	211913	219913

For other dimensions, tolerances, sealing, impregnation or packaging, please contact us.

Shelf life 4 years



## Blood Gas Capillary Tubes

Capillary tubes for blood gas analyses are made from heavy walled glass, suitable for 2.3 mm Ø adaptors. The uniform heparinisation secure proper function of the tubes for blood gas analysis. The Blood Gas Tubes are also available in plastic with sodium heparin in the same sizes as the tubes in glass. The plastic tubes offer an alternative to glass and can be selected where a plastic option is preferred for handling and safety considerations, without compromising compliance with the standard.

### Accessories

Stirrers packed in vials of 250 pcs.

End Caps packed in boxes of 500 pcs.

Magnets packed in bags of 10 pcs.





## Blood Gas Capillary Tubes

Vol. ( $\mu$ l )	Pcs.	d (mm) +/- 0.05 mm	D (mm) +/- 0.05 mm	L (mm) +/- 1 mm	Na Hep. Article No.	Li Hep. Article No.
130 (min)	4 x 250	1.60	2.30	75	182513	182613
175 (min)	4 x 250	1.60	2.30	100	182413	183313
220 (min)	4 x 250	1.60	2.30	125	182313	182013

Special types upon request.

Shelf life 4 years

## Plastic Blood Gas Capillary Tubes

Vol. ( $\mu$ l )	Pcs.	d (mm) +/- 0.05 mm	D (mm) +/- 0.05 mm	L (mm) +/- 1 mm	Plastic Na Hep. Article No.
130 (min)	4 x 200	1.60	2.30	75	282513
175 (min)	4 x 200	1.60	2.30	100	282413
220 (min)	4 x 200	1.60	2.30	125	282313

Other types available upon request.

Shelf life 2 years

## Accessories

Description	For tubes with D	Pcs.	Article No.
End caps for D (mm)	2.20 - 2.80 mm	10 x 500	140813
End caps for D (mm)	1.50 - 2.20 mm	10 x 500	140713
Stirrers		10 x 250	140913
Magnets		1 x 10	142400

Shelf life 4 years for all





## Pipette Fixed

### LOW COST

This miniature fixed volume pipette is specially designed for use with Diagnostic Kits.

### HIGH ACCURACY AND PRECISION

Each pipette is individually calibrated as per the ISO 8655 standard.

### COLOUR-CODING

The colour-coding for each pipette indicates the volume - ensuring easy identification in the laboratory environment.

### TWO STEP PLUNGER OPERATION

This unique feature makes the pipette a genuine miniature micropipette.

### PRACTICAL SIZE

At a length of 130 mm this pipette is the optimum practical size for the pipetting function.

### FULLY AUTOCLAVABLE

Autoclavable at 121°C & 15 psi.

### Technical Specifications

Colour Code	Vol. µl	Accuracy ±%	Precision CV%	Pcs.	Article No.
White ○	5	2.5	1.5	1	560013
Orange ●	10	1.2	0.8	1	561013
Black ●	20	1	0.5	1	562013
Grey ○	25	1	0.4	1	563013
Green ●	50	1	0.4	1	564013
Blue ●	100	0.8	0.3	1	565013
Red ●	200	0.8	0.3	1	566013

Shelf life 4 years



## Capillary Dispenser

Capillary Dispenser is a unique liquid handling tool, developed to empty capillary tubes for blood or other liquids.

### FULLY AUTOCLAVABLE

Autoclavable at 121°C & 15 psi for sensitive applications.

### LOW COST

This dispenser is specially designed for use with Diagnostic Kits.

### UNIQUE TIP CONE

Designed to accept most Capillary Tubes.

### OPTIMUM SIZE

At a length of 130 mm this dispenser is the optimum practical size for blood collection.

### Technical Specifications

Colour Code	Vol. µl	Pcs.	Article No.	
Grey	○	Most Capillary Tubes	1	569013



# Octaheel Baby

## Sterile Cutting Safety lancet

Octaheel Baby lancet is intended for high-volume blood collection with minimal penetration depth, making them ideal for newborns and preemies. They can also be used in any situation where short penetration and gentle tissue handling are important. The latest edition offers improved ergonomics, supporting safer, easier, and more comfortable blood collection for both patients and healthcare professionals.

**ACTIVATION BUTTON:** Secured by safety tab.

**USER SAFETY:** Blade is fully shielded before and after use.

**EASIER HANDLING:** Anti-slip texture and one hand operation.

**PATIENT COMFORT:** Ultra sharp blade with high speed cutting securing minimal trauma and fast healing.

**NARROWED LANCING SLOT:** Easier positioning.

### Technical Specifications

Colour Code	Specification	Article No.	Variant	Indicative use
Green ●	0.65 mm Depth / 1.40 mm Incision Length	335313	Micro-Preemie	Typically refers to premature infants with a birth weight below 1000 grams
Orange ●	0.85 mm Depth / 1.75 mm Incision Length	334313	Preemie	Newborns with a birth weight below 2500 grams, most of whom are premature
Yellow ●	1.00 mm Depth / 2.50 mm Incision Length	333313	Newborn	Newborns with a birth weight between 2500 grams and 4000 grams
Pink ●	1.14 mm Depth / 2.80 mm Incision Length	332313	Newborn Plus	Generally refers to newborns with a birth weight over 4000 grams
Blue ●	2.00 mm Depth / 3.00 mm Incision Length	331313	Toddler	Refers to children aged 1 to 3 years old, and does not pertain to birth weight

Shelf life 5 years



**Packaging:**  
**Blister Packed**  
 Primary packaging: 50 pcs.  
 Transit packaging: 200 pcs.  
 Pallet: 23,200 pcs.



# Ultrasafe

## Sterile Safety lancet

Ultrasafe lancet is intended for blood glucose and other in vitro diagnostic tests. Healthcare workers worldwide face the risk of accidental needle-stick injuries, exposing them to bloodborne illnesses including HIV and Hepatitis. Ultrasafe lancet helps reduce these risks while supporting patient comfort and precise, reliable blood collection.

### Technical Specifications

Colour Code	Specification	Penetration Depth	Article No.	Indicative use
Green	17G blade	2.0 mm	393413	For capillary blood sampling
Blue	21G needle	1.8 mm	397413	Diabetes clinics/hospital wards for blood glucose monitoring
Orange	21G needle	2.2 mm	395413	Haemoglobin (blood banks), cholesterol, blood typing, coagulation, blood gas and other diagnostic tests
Pink	21G needle	2.8 mm	396413	As the Orange lancet, but for thicker adult skin
Yellow	26G needle	1.8 mm	394413	As the Orange lancet, but lower blood flow and less pain
Rose	28G needle	1.5 mm	392413	Diabetes clinics/hospital wards for blood glucose monitoring
Purple	28G needle	1.8 mm	398413	Low blood flow, less pain
Turquoise	30G needle	1.8 mm	399413	Diabetes clinics/hospital wards for blood glucose monitoring. For minimal pain

Shelf life 5 years

### PRESSURE ACTIVATED

#### UNIQUE DESIGN:

Ergonomically optimized for better handling

#### SILICONE COATED NEEDLE:

Less pain and smooth penetration

#### EASY TARGETING OF PUNCTURE SITE



Transit packaging

Pallet

#### Packaging:

Primary packaging: 100 pcs.  
 Transit packaging: 1,000 pcs.  
 Pallet: 98,000 pcs.

**New**



# Elite

## Disposable Safety lancet

Elite lancet is designed for safe, precise blood collection for glucose monitoring and other in vitro diagnostic tests. Healthcare professionals worldwide face the risk of accidental needle-stick injuries, exposing them to bloodborne pathogens such as HIV and Hepatitis. Elite lancet minimizes these risks while ensuring patient comfort and confidence during every use. Its ergonomic design, intuitive operation, and reliable performance make blood collection easier, safer, and more accurate, helping healthcare teams deliver consistent results with peace of mind.

### Technical Specifications

Colour Code	Specification	Penetration Depth	Article No.	Indicative use
Lime Green	17G blade	2.0 mm	383213	For capillary blood sampling
Orange	21G needle	1.8 mm	387213	Haemoglobin (blood banks), cholesterol, blood typing, coagulation, blood gas and other diagnostic tests
Pink	21G needle	2.4 mm	388213	As the Orange lancet, but for thicker skin
Yellow	26G needle	1.8 mm	385213	Diabetes clinics/hospital wards for blood glucose monitoring
Purple	28G needle	1.8 mm	384213	Diabetes clinics/hospital wards for blood glucose monitoring
Turquoise	30G needle	1.5 mm	389213	Diabetes clinics/hospital wards for blood glucose monitoring. For minimal pain

Shelf life 5 years

### REAR BUTTON ACTIVATION:

Intuitive “T”-grip with anti-slip button for seamless, one-hand operation.

### PRECISE DEPTH CONTROL:

Accurate targeting and stable positioning for gentle, precise blood collection.

### DUAL-SPRING DESIGN:

Smooth, consistent blood collection with superior comfort.

### PRECISION DETECTION:

Ensures clean samples and accurate testing every time.

### 100% OPTICAL INSPECTION:

Guaranteed success — no repeats needed.



Transit packaging

Pallet

### Packaging:

Primary packaging: 100 pcs.  
 Transit packaging: 1,000 pcs.  
 Pallet: 90,000 pcs.



# Flex 3

## Depth Adjustable Safety lancet

Flex 3 Safety lancet is an all-in-one solution for emergency blood collection, featuring an adjustable design with three penetration depths in a single unit. Intended for blood glucose and other in vitro diagnostic tests, it provides healthcare professionals with a safe, reliable, and convenient tool, supporting precise and comfortable blood collection while ensuring patient safety.

### Technical Specifications

Colour Code	Specification	Penetration Depth	Article No.
Blue	23G	1.30 mm - 1.80 mm - 2.30 mm	395813
Yellow	26G	1.30 mm - 1.80 mm - 2.30 mm	396813
Orange	28G	1.30 mm - 1.80 mm - 2.30 mm	397813

Shelf life 5 years

### USER CONVENIENCE:

Pre-loaded and pressure activated design. The trigger position indicates the before and after use.

### USER SAFETY:

Needle is fully shielded before and after use.

### COMFORT:

High quality tri-bevel needle with high speed penetration.

### PATIENT SAFETY:

Single-use only. Sterilised by gamma irradiation.



Transit packaging

Pallet

**Packaging:**  
 Primary packaging: 100 pcs.  
 Transit packaging: 1,000 pcs.  
 Pallet: 84,000 pcs.



# Lite3

## Sterile Safety lancet

Lite3 lancet is intended for blood glucose and other in vitro diagnostic tests. Healthcare professionals worldwide face the risk of accidental needle-stick injuries, exposing them to bloodborne illnesses including HIV and Hepatitis. Lite3 lancet supports safer, more comfortable blood collection, providing a reliable and precise tool for a variety of capillary blood sampling needs.

### Technical Specifications

Colour Code	Specifica- tion	Penetration Depth	Article No.	Indicative use
Green	18G blade	1.8 mm	373213	For capillary blood sampling
Orange	21G needle	1.8 mm	377213	Haemoglobin (blood banks), cholesterol, blood typing, coagulation, blood gas and other diagnostic tests
Pink	21G needle	2.4 mm	378213	As the Orange lancet, but for thicker skin
Dark Blue	23G needle	1.8 mm	379213	Blood glucose testing and tests requiring larger samples
Yellow	26G needle	1.8 mm	375213	Diabetes clinics/hospital wards for blood glucose monitoring
Blue	26G needle	2.4 mm	376213	As the Yellow lancet, but for thicker skin
Rose	28G needle	1.5 mm	371213	Diabetes clinics/hospital wards for blood glucose monitoring
Purple	28G needle	1.8 mm	374213	As the Rose lancet, but for thicker skin
Beige	30G needle	1.8 mm	372213	Diabetes clinics/hospital wards for blood glucose monitoring. For minimal pain

Shelf life 5 years

### BUTTON ACTIVATION

#### USER SAFETY:

Needle is fully shielded before and after use.

#### PATIENT COMFORT:

High quality, ultra sharp tri-bevel needle or bi-bevel blade, high speed penetration.

#### EFFICACY:

Variety of point configurations and penetration depths to suit most capillary blood requirements.



Transit packaging

Pallet

**Packaging:**

Primary packaging: 100 pcs.  
 Transit packaging: 1,000 pcs.  
 Pallet: 90,000 pcs.



## Allergy

For skin sensitivity testing

Allergy lancets are traditional handheld, flat and stainless steel lancet for skin sensitivity testing.

**LOW COST:** Simple, flat, steel lancet.

**HIGH QUALITY:** Hardened surgical steel.

**MINIMUM DISCOMFORT:** Modern asymmetric design.

**STERILE:** Single-use only. Sterilised by gamma irradiation.

## Steel

General Purpose Capillary Blood lancet

Steel lancets are traditional handheld, flat and stainless steel blood lancet for general purpose use.

**LOW COST:** Simple, flat, steel lancet.

**SAMPLE VOLUME:** Excellent blood flow.

**HIGH QUALITY:** Hardened surgical steel.

**MINIMUM DISCOMFORT:** Modern asymmetric design.

**STERILE:** Single-use only. Sterilised by gamma irradiation.

### Technical Specifications

Product	Description	Article No.
Steel	Flat blade sterile lancet	350213
Allergy	Flat blade sterile lancet	365213

Shelf life 5 years



**Packaging:**  
 Primary packaging:  
 Transit packaging:  
 Pallet:

200 pcs.  
 20,000 pcs.  
 720,000 pcs.

4.  
Blood  
Collection  
Needle

3.  
Blood  
Collection  
Needle  
Holder

2.  
Safety  
Cap

1.  
Blood  
Collection  
Tube



## Blood Collection System

New and higher standards in the diagnostic laboratory field require an improved performance of the blood collection system. Our Blood Collection System is the answer.

The Blood Collection System consists of a full range of products including our Blood Collection Tubes, Needles and Holders, as well as the newly added products: Luer Slip adapter, Luer Slip adapter + holder, Luer Slip adapter + Intravenous needle and Luer Slip adapter + holder + Intravenous needle.

The Blood Collection Tubes are made of unbreakable PET tube, butyl rubber stopper and polyethylene cap. We primary offer medical paper labelled tubes, but tubes with transparent label or prebarcoded tubes are also available upon request.

Letter Code	Additive
K2E	EDTA Dipotassium Salt
K3E	EDTA Tripotassium Salt
9NC	Trisodium Citrate 9:1
4NC	Trisodium Citrate 4:1
FE	Sodium Fluoride I EDTA
FX	Sodium Fluoride/Potassium Oxalate
LH	Lithium Heparin
NH	Sodium Heparin
CAT	Clot Activator
Z	None

Coming soon



## Blood Collection Set

The Blood Collection Sets are designed to fulfill the requirements of blood collection procedures, improve patient's comfort, help user's safety and get reliable test results. The latest products in our Blood Collection System range are of corresponding high quality and carefully selected to complete the range.

**USER VERSATILITY:** Series combination blood collection types for customer selection.

**USER CONVENIENCE:** Allows for multiple draws with a single vein puncture.

**EXCELLENT PERFORMANCE:** High quality rubber sleeve has excellent self-sealing performance.

**FLEXIBLE PACKAGING:** Single blister package, single pouch or single PE bag.

Description	Colour Code	Size	Diameter (mm)	Tube length	Pcs./ Box	Pcs./ Carton	Article No.	Article No. Safety needle
Luer Slip adapter + Intravenous needle	Green ●	21G	0.80 x 19mm	190 mm	100	2000	VBCS72221	VBCS73221S
Luer Slip adapter + Intravenous needle	Blue ●	23G	0.60 x 19mm	190 mm	100	2000	VBCS72223	VBCS73223S
Luer Slip adapter + holder + Intravenous needle	Green ●	21G	0.80 x 19mm	190 mm	50	1000	VBCS84221	VBCS84221S
Luer Slip adapter + holder + Intravenous needle	Blue ●	23G	0.60 x 19mm	190 mm	50	1000	VBCS84223	VBCS84223S

Shelf life 5 years



## Chiravac® Blood Collection needles

Chiravac® Blood Collection needles are made of polypropylene hub and stainless steel tube. They are pyrogen-free, latex-free, DEHP-free, PVC-free and non-toxic. The needles are intended for blood collection with vacuum tubes. They are individually packed in boxes of 100 pcs, cartons of 1000 pcs. Upon request the needles are also available as safety or invisible version.

**USER CONVENIENCE:** Colour-coded needle hub, screw-on needle hub compatible with all available holders, easy-to-open packaging and thin wall tube material.

**COMFORT:** Grinded, precision lancet point and silicone treated tip for smooth penetration. Comfortable collection experience.

**PATIENT SAFETY:** Single-use only. Sterilised by ETO.

**FDA CLEARED**

### ACCESSORIES

Blood Collection Needle Holders with and without safety function are compatible with our Chiravac Blood Collection Needles and our different Blood Collection Tubes. The holders are packed in PE bags of 50 or 100 pcs.

Colour Code	Size Metric	Size G/"	Article No.
Blue ●	0.60 x 38 mm	23G x 1 1/2"	CHBCN23112
Black ●	0.70 x 38 mm	22G x 1 1/2"	CHBCN22112
Green ●	0.80 x 38 mm	21G x 1 1/2"	CHBCN21112
Yellow ●	0.90 x 38 mm	20G x 1 1/2"	CHBCN20112
Pink ●	1.20 x 38 mm	18G x 1 1/2"	CHBCN18112
Blue ●	0.60 x 25 mm	23G x 1"	CHBCN23100
Black ●	0.70 x 25 mm	22G x 1"	CHBCN22100
Green ●	0.80 x 25 mm	21G x 1"	CHBCN21100
Yellow ●	0.90 x 25 mm	20G x 1"	CHBCN20100
Pink ●	1.20 x 25 mm	18G x 1"	CHBCN18100

Shelf life 5 years

Description	Pcs./Box	Pcs./Carton	Article No.
Blood Collection Needle Holder	100	1,000	CHBCNH01
Blood Collection Needle Safety Holder	50	800	CHBCNHS01

Shelf life 5 years



## Serum Clot Activator Tubes

The interior of the tube wall is coated with a dry clot activator to accelerate blood clotting.

**Range of application:** Clinical chemistry, immunology, protein electrophoresis, serology, microbiology, toxicology.



Transit packaging

Pallet

**Packaging:**  
 Primary packaging: 50/100 pcs.  
 Transit packaging: 800/1,000 pcs.  
 \* Pallet: 54,000 pcs.  
 \*\* Pallet: 48,000 pcs.  
 \*\*\* Pallet: 38,400 pcs.

Description	Draw Vol. (ml)	Size (mm)	Additive	Label	Article No.
Serum CAT/Clot Activator	1	13 x 75	Serum Clot Activator	Paper	101201+ *
Serum CAT/Clot Activator	2	13 x 75	Serum Clot Activator	Paper	102202+ *
Serum CAT/Clot Activator	3	13 x 75	Serum Clot Activator	Paper	103203+ *
Serum CAT/Clot Activator	3	13 x 100	Serum Clot Activator	Paper	108203+ **
Serum CAT/Clot Activator	4	13 x 75	Serum Clot Activator	Paper	104204+ *
Serum CAT/Clot Activator	4	13 x 100	Serum Clot Activator	Paper	108204+ **
Serum CAT/Clot Activator	5	13 x 75	Serum Clot Activator	Paper	109205+ *
Serum CAT/Clot Activator	5	13 x 100	Serum Clot Activator	Paper	108205+ **
Serum CAT/Clot Activator	6	13 x 100	Serum Clot Activator	Paper	105206+ **
Serum CAT/Clot Activator	7	13 x 100	Serum Clot Activator	Paper	108207+ **
Serum CAT/Clot Activator	8	16 x 100	Serum Clot Activator	Paper	108208+ ***
Serum CAT/Clot Activator	9	16 x 100	Serum Clot Activator	Paper	106209+ ***
Serum CAT/Clot Activator	10	16 x 100	Serum Clot Activator	Paper	107200+ ***

Shelf life 18 months



## Serum Gel and Clot Activator Tubes

Vacuum blood collection tubes with gel and clot activator allow to obtain more serum than regular tubes due to the cleaner separation of serum from the clot.

**Range of application:** Clinical chemistry, immunology, protein electrophoresis, serology, microbiology, toxicology.



Transit packaging

Pallet

**Packaging:**  
 Primary packaging: 50/100 pcs.  
 Transit packaging: 800/1,000 pcs.  
 \* Pallet: 54,000 pcs.  
 \*\* Pallet: 48,000 pcs.  
 \*\*\* Pallet: 38,400 pcs.

Description	Draw Vol. (ml)	Size (mm)	Additive	Label	Article No.
Serum Gel and CAT/Clot Activator	1	13 x 75	Serum Gel and Clot Activator	Paper	102301+ *
Serum Gel and CAT/Clot Activator	2	13 x 75	Serum Gel and Clot Activator	Paper	101302+ *
Serum Gel and CAT/Clot Activator	3	13 x 75	Serum Gel and Clot Activator	Paper	102303+ *
Serum Gel and CAT/Clot Activator	3	13 x 100	Serum Gel and Clot Activator	Paper	102330+ **
Serum Gel and CAT/Clot Activator	3.5	13 x 75	Serum Gel and Clot Activator	Paper	103303+ *
Serum Gel and CAT/Clot Activator	4	13 x 75	Serum Gel and Clot Activator	Paper	106304+ *
Serum Gel and CAT/Clot Activator	4	13 x 100	Serum Gel and Clot Activator	Paper	102304+ **
Serum Gel and CAT/Clot Activator	5	13 x 100	Serum Gel and Clot Activator	Paper	104305+ **
Serum Gel and CAT/Clot Activator	6	13 x 100	Serum Gel and Clot Activator	Paper	102306+ **
Serum Gel and CAT/Clot Activator	8	16 x 100	Serum Gel and Clot Activator	Paper	105308+ ***
Serum Gel and CAT/Clot Activator	8.5	16 x 100	Serum Gel and Clot Activator	Paper	102308+ ***

Shelf life 18 months



# Coagulation Tubes

Test tubes with sodium citrate are used to collect venous blood for coagulation testing.

**Range of application:** Hemostasis system diagnostics.



Transit packaging

Pallet

**Packaging:**  
 Primary packaging: 50/100 pcs.  
 Transit packaging: 800/1,000 pcs.  
 \* Pallet: 54,000 pcs.  
 \*\* Pallet: 48,000 pcs.  
 \*\*\* Pallet: 38,400 pcs.

3.2%

3.8%

Description	Draw Vol. (ml)	Size (mm)	Additive	Label	Article No.	Article No.
Coagulation 9NC/Sodium Citrate	0.9	13 x 75	Sodium Citrate	Paper	101801+ *	106801+ *
Coagulation 9NC/Sodium Citrate	1.8	13 x 75	Sodium Citrate	Paper	102802+ *	106802+ *
Coagulation 9NC/Sodium Citrate	1.8	13 x 100	Sodium Citrate	Paper	103802+ **	106820+ **
Coagulation 9NC/Sodium Citrate	2.7	13 x 75	Sodium Citrate	Paper	103803+ *	107803+ *
Coagulation 9NC/Sodium Citrate	2.7	13 x 100	Sodium Citrate	Paper	103830+ **	107830+ **
Coagulation 9NC/Sodium Citrate	3.6	13 x 75	Sodium Citrate	Paper	103840+ *	108804+ *
Coagulation 9NC/Sodium Citrate	3.6	13 x 100	Sodium Citrate	Paper	103804+ **	108840+ **
Coagulation 9NC/Sodium Citrate	4.5	13 x 75	Sodium Citrate	Paper	103850+ *	108805+ *
Coagulation 9NC/Sodium Citrate	4.5	13 x 100	Sodium Citrate	Paper	103805+ **	108850+ **
Coagulation 9NC/Sodium Citrate #	8.1	16 x 100	Sodium Citrate	Paper	103808+ ***	108808+ ***

Shelf life 9 months  
 # 8.1 ml: Shelf life 12 months



## EDTA Tubes

Vacuum blood collection tubes for K2EDTA hematologic testing. These tubes are used for whole blood analysis. Gel is a special material designed to form a resistant barrier between the cellular components of blood and serum during centrifugation.

**Range of application for K2EDTA:** Hematology, PCR analysis, blood typing.

**Range of application for K2EDTA + gel:** Preparation of undiluted plasma for virologic testing and molecular diagnostics.

### K2EDTA

Description	Draw Vol. (ml)	Size (mm)	Additive	Label	Plain	+ Gel
					Article No.	Article No.
K2E/K2EDTA	1	13 x 75	K2EDTA	Paper	101901+ *	112201+ *
K2E/K2EDTA	2	13 x 75	K2EDTA	Paper	102902+ *	112202+ *
K2E/K2EDTA	3	13 x 75	K2EDTA	Paper	103903+ *	111203+ *
K2E/K2EDTA	3	13 x 100	K2EDTA	Paper	103930+ **	113203+ **
K2E/K2EDTA	3.5	13 x 75	K2EDTA	Paper		112235+ *
K2E/K2EDTA	4	13 x 75	K2EDTA	Paper	104904+ *	112240+ *
K2E/K2EDTA	4	13 x 100	K2EDTA	Paper	105904+ **	112204+ **
K2E/K2EDTA	5	13 x 75	K2EDTA	Paper	105905+ *	
K2E/K2EDTA	5	13 x 100	K2EDTA	Paper	105950+ **	112205+ **
K2E/K2EDTA	6	13 x 100	K2EDTA	Paper	106906+ **	112206+ **
K2E/K2EDTA	7	13 x 100	K2EDTA	Paper	106907+ **	
K2E/K2EDTA	8	16 x 100	K2EDTA	Paper	106908+ ***	113208+ ***
K2E/K2EDTA	8.5	16 x 100	K2EDTA	Paper		113209+ ***
K2E/K2EDTA	9	16 x 100	K2EDTA	Paper	107909+ ***	113290+ ***
K2E/K2EDTA	9.5	16 x 100	K2EDTA	Paper	108909+ ***	

Shelf life 18 months



Vacuum blood collection tubes for K3EDTA hematologic testing. These tubes are used for whole blood analysis. Gel is a special material designed to form a resistant barrier between the cellular components of blood and serum during centrifugation.

**Range of application for K3EDTA:** Hematology, PCR analysis, blood typing.

**Range of application for K3EDTA + gel:** Preparation of undiluted plasma for virologic testing and molecular diagnostics.



Transit packaging

Pallet

**Packaging:**  
 Primary packaging: 50/100 pcs.  
 Transit packaging: 800/1,000 pcs.  
 \* Pallet: 54,000 pcs.  
 \*\* Pallet: 48,000 pcs.  
 \*\*\* Pallet: 38,400 pcs.

## K3EDTA

Plain

+ Gel

Description	Draw Vol. (ml)	Size (mm)	Additive	Label	Article No.	Article No.
K3E/K3EDTA	1	13 x 75	K3EDTA	Paper	111101+ *	122101+ *
K3E/K3EDTA	2	13 x 75	K3EDTA	Paper	112102+ *	122102+ *
K3E/K3EDTA	3	13 x 75	K3EDTA	Paper	113103+ *	123103+ *
K3E/K3EDTA	3	13 x 100	K3EDTA	Paper	113130+ **	123130+ **
K3E/K3EDTA	3.5	13 x 75	K3EDTA	Paper		124135+ *
K3E/K3EDTA	4	13 x 75	K3EDTA	Paper	113104+ *	125140+ *
K3E/K3EDTA	4	13 x 100	K3EDTA	Paper	114104+ **	125104+ **
K3E/K3EDTA	5	13 x 75	K3EDTA	Paper	114105+ *	
K3E/K3EDTA	5	13 x 100	K3EDTA	Paper	114150+ **	125150+ **
K3E/K3EDTA	6	13 x 100	K3EDTA	Paper	116106+ **	126106+ **
K3E/K3EDTA	7	13 x 100	K3EDTA	Paper	116107+ **	
K3E/K3EDTA	8	16 x 100	K3EDTA	Paper	114108+ ***	127108+ ***
K3E/K3EDTA	8.5	16 x 100	K3EDTA	Paper	114185+ ***	128185+ ***
K3E/K3EDTA	9	16 x 100	K3EDTA	Paper	117109+ ***	129109+ ***

Shelf life 18 months



## Heparin Tubes

Vacuum blood collection tubes with lithium heparin are used to produce plasma for biochemical testing. Gel is a special material designed to form a resistant barrier between the cellular components of blood and serum during centrifugation.

**Range of application for lithium heparin:** Clinical chemistry, trace mineral testing.

**Range of application for lithium heparin + gel:** Plasma biochemical analysis.

### Lithium Heparin

Description	Draw Vol. (ml)	Size (mm)	Additive	Label	Plain	+ Gel
					Article No.	Article No.
LH/Lithium Heparin	1	13 x 75	Lithium Heparin	Paper	105401+ *	102701+ *
LH/Lithium Heparin	2	13 x 75	Lithium Heparin	Paper	101402+ *	102702+ *
LH/Lithium Heparin	3	13 x 75	Lithium Heparin	Paper	101403+ *	101703+ *
LH/Lithium Heparin	3	13 x 100	Lithium Heparin	Paper	101404+ **	101730+ **
LH/Lithium Heparin	4	13 x 75	Lithium Heparin	Paper	105404+ *	
LH/Lithium Heparin	4	13 x 100	Lithium Heparin	Paper	102440+ **	102704+ **
LH/Lithium Heparin	5	13 x 75	Lithium Heparin	Paper	105450+ *	
LH/Lithium Heparin	5	13 x 100	Lithium Heparin	Paper	105405+ **	102705+ **
LH/Lithium Heparin	6	13 x 100	Lithium Heparin	Paper	103406+ **	
LH/Lithium Heparin	7	13 x 100	Lithium Heparin	Paper	103407+ **	
LH/Lithium Heparin	8	16 x 100	Lithium Heparin	Paper	105408+ ***	103706+ ***
LH/Lithium Heparin	9	16 x 100	Lithium Heparin	Paper	104409+ ***	102709+ ***

Shelf life 18 months



Vacuum blood collection tubes with sodium heparin are used to produce plasma for biochemical testing. Gel is a special material designed to form a resistant barrier between the cellular components of blood and serum during centrifugation.

**Range of application for sodium heparin:** Plasma biochemical analysis.



Transit packaging

Pallet

**Packaging:**  
 Primary packaging: 50/100 pcs.  
 Transit packaging: 800/1,000 pcs.  
 \* Pallet: 54,000 pcs.  
 \*\* Pallet: 48,000 pcs.  
 \*\*\* Pallet: 38,400 pcs.

## Sodium Heparin

Description	Draw Vol. (ml)	Size (mm)	Additive	Label	Plain		+ Gel	
					Article No.	Article No.	Article No.	Article No.
NH/Sodium Heparin	1	13 x 75	Sodium Heparin	Paper	104501+ *	104601+ *		
NH/Sodium Heparin	2	13 x 75	Sodium Heparin	Paper	104502+ *	104602+ *		
NH/Sodium Heparin	3	13 x 75	Sodium Heparin	Paper	104530+ *	101603+ *		
NH/Sodium Heparin	3	13 x 100	Sodium Heparin	Paper	104503+ **	104630+ **		
NH/Sodium Heparin	4	13 x 75	Sodium Heparin	Paper	101504+ *			
NH/Sodium Heparin	4	13 x 100	Sodium Heparin	Paper	104504+ **	104604+ **		
NH/Sodium Heparin	5	13 x 75	Sodium Heparin	Paper	104550+ *			
NH/Sodium Heparin	5	13 x 100	Sodium Heparin	Paper	104505+ **	102605+ **		
NH/Sodium Heparin	6	13 x 100	Sodium Heparin	Paper	102506+ **			
NH/Sodium Heparin	7	13 x 100	Sodium Heparin	Paper	102507+ **			
NH/Sodium Heparin	8	16 x 100	Sodium Heparin	Paper	104509+ ***	103608+ ***		
NH/Sodium Heparin	9	16 x 100	Sodium Heparin	Paper	103509+ ***	104609+ ***		

Shelf life 18 months



## No Additive Tubes

The tubes are used to collect samples of body fluids (blood, urine, cerebrospinal fluid, exudates, etc.). The tubes can be used for specimen analysis, storage and transport.

**Range of application:** Analysis of body fluids in clinical biochemistry, serology, immunology.



Transit packaging

Pallet

**Packaging:**  
 Primary packaging: 50/100 pcs.  
 Transit packaging: 800/1,000 pcs.  
 \* Pallet: 54,000 pcs.  
 \*\* Pallet: 48,000 pcs.  
 \*\*\* Pallet: 38,400 pcs.

Description	Draw Vol. (ml)	Size (mm)	Additive	Label	Article No.
Z/No Additive	1	13 x 75	No additive	Paper	105101+ *
Z/No Additive	2	13 x 75	No additive	Paper	101102+ *
Z/No Additive	3	13 x 75	No additive	Paper	105103+ *
Z/No Additive	3	13 x 100	No additive	Paper	105130+ **
Z/No Additive	4	13 x 75	No additive	Paper	102204+ *
Z/No Additive	4	13 x 100	No additive	Paper	105104+ **
Z/No Additive	5	13 x 75	No additive	Paper	105150+ *
Z/No Additive	5	13 x 100	No additive	Paper	105105+ **
Z/No Additive	6	13 x 100	No additive	Paper	103106+ **
Z/No Additive	7	13 x 100	No additive	Paper	105107+ **
Z/No Additive	8	16 x 100	No additive	Paper	105108+ ***
Z/No Additive	9	16 x 100	No additive	Paper	104109+ ***
Z/No Additive	10	16 x 100	No additive	Paper	105110+ ***

Shelf life 18 months



## Glucose Tubes

The tubes contain a glucose stabiliser, which allows you to block the process of glycolysis for up to 24 hours at room temperature.

**Range of application:** Research of glucose and lactate.



Transit packaging

Pallet

**Packaging:**  
 Primary packaging: 50/100 pcs.  
 Transit packaging: 800/1,000 pcs.  
 \* Pallet: 54,000 pcs.  
 \*\* Pallet: 48,000 pcs.  
 \*\*\* Pallet: 38,400 pcs.

Description	Draw Vol. (ml)	Size (mm)	Additive	Label	Article No.
FX/ Sodium Flouride + Potassium Oxalate	1	13 x 75	Sodium Flouride + Potassium Oxalate	Paper	111401+ *
FX/ Sodium Flouride + Potassium Oxalate	2	13 x 75	Sodium Flouride + Potassium Oxalate	Paper	111402+ *
FX/ Sodium Flouride + Potassium Oxalate	2	13 x 100	Sodium Flouride + Potassium Oxalate	Paper	113420+ **
FX/ Sodium Flouride + Potassium Oxalate	3	13 x 75	Sodium Flouride + Potassium Oxalate	Paper	113430+ *
FX/ Sodium Flouride + Potassium Oxalate	3	13 x 100	Sodium Flouride + Potassium Oxalate	Paper	113403+ **
FX/ Sodium Flouride + Potassium Oxalate	4	13 x 75	Sodium Flouride + Potassium Oxalate	Paper	112404+ *
FX/ Sodium Flouride + Potassium Oxalate	4	13 x 100	Sodium Flouride + Potassium Oxalate	Paper	113404+ **
FX/ Sodium Flouride + Potassium Oxalate	5	13 x 75	Sodium Flouride + Potassium Oxalate	Paper	113450+ *
FX/ Sodium Flouride + Potassium Oxalate	5	13 x 100	Sodium Flouride + Potassium Oxalate	Paper	113405+ **
FX/ Sodium Flouride + Potassium Oxalate	6	13 x 100	Sodium Flouride + Potassium Oxalate	Paper	113406+ **
FX/ Sodium Flouride + Potassium Oxalate	7	13 x 100	Sodium Flouride + Potassium Oxalate	Paper	113407+ **
FX/ Sodium Flouride + Potassium Oxalate	8	16 x 100	Sodium Flouride + Potassium Oxalate	Paper	113408+ ***
FX/ Sodium Flouride + Potassium Oxalate	9	16 x 100	Sodium Flouride + Potassium Oxalate	Paper	113409+ ***

Shelf life 18 months



## Sedimentation Systems

Test tubes for the erythrocyte sedimentation rate (ESR) test.



Transit packaging

Pallet

**Packaging:**

Primary packaging: 50/100 pcs.

Transit packaging: 800/1,000 pcs.

\* Pallet: 54,000 pcs.

\*\* Pallet: 48,000 pcs.

Description	Draw Vol. (ml)	Size (mm)	Additive	Label	Article No.
ESR Tube	1.6	13 x 75	4NC/Sodium Citrate 3.2%	Paper	112602+ *
ESR Tube	2	13 x 75	4NC/Sodium Citrate 3.2%	Paper	111602+ *
ESR Tube	2.4	13 x 75	4NC/Sodium Citrate 3.2%	Paper	113624+ *
ESR Tube	2.4	13 x 100	4NC/Sodium Citrate 3.2%	Paper	114624+ **
ESR Tube	3	13 x 75	4NC/Sodium Citrate 3.2%	Paper	114603+ *

Shelf life 9 months



## Accessories

### Tourniquets

Tourniquets are used for tying the vein during blood collection. They are safe and easy to use. The tourniquets are available in automatic version for both adults and children, but also in a manual, disposable version as one-size. Latex free.

### Technical Specifications

Description	Pcs./Box	Article No.
Tourniquets with buckle, Adult	50	TM1150
Tourniquets with buckle, Children	50	TM1125
Disposable Tourniquets	25 pcs./roll	TM1175

Shelf life 3 years

#### Tourniquets with buckle



Transit packaging

Pallet

#### Packaging:

Primary packaging: 50 pcs.  
Transit packaging: 500 pcs.  
Pallet: 9,000 pcs.

#### Tourniquets Disposable



Transit packaging

Pallet

#### Packaging:

Primary packaging: 1 roll  
Transit packaging: 100 rolls  
Pallet: 3,000 rolls

### Safety Containers

Safety Containers are designed for hospitals and healthcare institutions for clinical disposal of lancets, needles, scalpels, syringes and other types of sharps. Each type of lid is specially designed to help the user dispose needles, syringes, etc. lid with reversible closure can be safely fixed.

### Technical Specifications

Description	Size	Content	Article No.
Safety container	4.7 cm x 12.9 cm	0.2 l.	193800
Safety container	9 cm x 10.8 cm	0.5 l.	194000
Safety container	13.7 cm x 12.5 cm	1.5 l.	194200
Safety container	13.7 cm x 18 cm	2 l.	194300
Safety container	21.1 cm x 19.5 cm	5 l.	194700





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