

Your **Power** for Health

  
greiner bio-one



## VACUETTE® Safety Products

Our Innovations  
for Your Safety

## Needlestick Injuries – Still a Big Risk



Potential source of danger: Recapping a used needle.

Injuries due to contaminated puncture devices are still the most frequent cause of accidents in hospitals. This is a significant source of danger for many employees in the healthcare industry.

At this moment in time, there are already more than 20 bloodborne pathogens that we know of. The most dangerous are HBV, HCV and HIV. Recent studies show that it is up to ten times more likely for more infections to occur in a hospital setting than in an external setting.

## Prevention – The Only Way to Avert Damages

The aftermath of an infection can have far-reaching effects on both the career and the personal circumstances of the affected person and his/her family, with social as well as financial consequences. This is a burden that cannot be carried by the affected person or insurance company.

Damages must be averted by correct prevention.

## Provide your staff with the necessary protection

Protect your members of staff from this risk, by giving them the workplace security they need to work without unnecessary pressure.

### Let us support you

Our informative brochures can be useful for your employees to help them approach the topic of needlestick injuries professionally.

Using safety products in accordance with the demands of the European Directive 2010/32/EU and the Implementation Guidance for the EU Framework Agreement (European Biosafety Network) provides comprehensive protection in various dangerous situations.

### Better protection at an affordable price

A comparison of the costs required for providing care after an injury with the costs required for prevention, shows that prevention has a clear advantage.

\*see DGUV Information 207-024 „Risiko Nadelstich“, Nov. 2015, p. 21-22

## The European Directive 2010/32/EU

In order to prevent needlestick injuries, the European social partners reached a general agreement in 2009, which was passed in 2010 as a Directive of the European Union.

The deadline for ratification of the directive as mandatory national law in all member states was 11th May 2013.

### The Goal: Greatest Possible Safety

The Directive makes it obligatory to create a work environment with the greatest possible safety for all employees in the healthcare field. This is to be achieved with information and instruction, building awareness of the dangers, as well as through risk assessment and systematic risk elimination.

**According to this Directive, the main pillars for elimination or minimisation of sharps injuries are:**

- providing medical devices incorporating safety-engineered protection mechanisms
- effective disposal procedures
- training
- use of personal protective equipment

**The following product features apply to all VACUETTE® safety products, and are stipulated in the guideline for implementing the European Directive:**

- ☞ The device must not detract from patient care
- ☞ The device must function reliably
- ☞ The safety mechanism must be an integral part of the safety device, and not a separate accessory
- ☞ The device must be easy to use and require only a minimal change in technique by medical professionals
- ☞ The safety mechanism must be easy to activate and grant the care person adequate control over the procedure
- ☞ The device may not create any other safety risks or sources of exposure to blood
- ☞ One-handed or automatic activation is preferable
- ☞ A clear signal, either acoustic, tangible or visible must indicate to the user correct activation of the safety mechanism
- ☞ An activated safety mechanism should be irreversible

**Furthermore VACUETTE® safety products provide additional advantages, which simplify application, increase safety and have been designed with optimum ergonomics in mind.**



## VACUETTE® QUICKSHIELD Safety Tube Holder

### For daily blood collection procedures

The **VACUETTE®** QUICKSHIELD Safety Tube Holder is especially suitable for routine blood collection. There is no change to the usual collection technique, and the safety shield is activated one-handed. This product can provide the user with the simplest handling and reliable infection protection.

- Right- and left-handed users can rotate the safety shield to the position that suits them best. It can be positioned in any direction. This ensures clear visibility of the entire puncture site.
- This product can provide the user with the simplest handling, greater flexibility to adapt to any situation and reliable protection from infection.
- Once activated it is not possible to unthread the used needle, thereby additionally preventing injuries on the back-end of the needle.

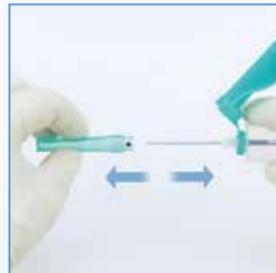


VACUETTE® QUICKSHIELD Safety Tube Holder

### Application\*



**1** Thread the needle. If desired, re-position safety shield.



**2** Remove protective needle cap



**3** Venipuncture



**4** Insert the tube



**5** Remove the last tube



**6** Activate the safety mechanism (with the aid of solid surface or thumb)



**7** Audible click indicates activation



**8** Disposal

\* For the complete handling recommendation please refer to the Instructions for Use for each product.

## VACUETTE® QUICKSHIELD Complete/Complete PLUS

### The complete product

The **VACUETTE®** QUICKSHIELD Safety Tube Holder is also available as a complete product with a pre-assembled **VACUETTE®** VISIO PLUS Needle, making the **VACUETTE®** QUICKSHIELD Complete PLUS the ideal product for safe blood collection.

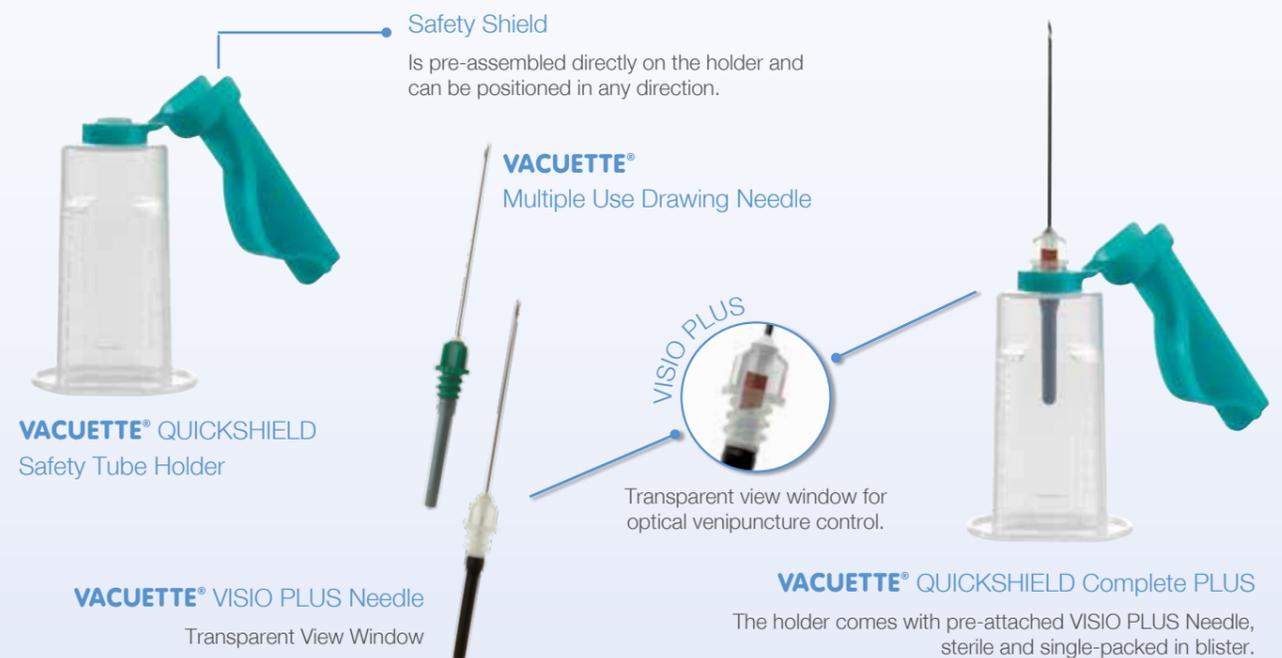
The **VACUETTE®** VISIO PLUS Needle with optical venipuncture control makes blood collection much easier for the user. With the transparent view window in the needle hub, blood flow is visible immediately upon correct vein penetration.

We also offer the **VACUETTE®** QUICKSHIELD Complete, which combines the **VACUETTE®** QUICKSHIELD Safety Tube Holder and a conventional **VACUETTE®** Multiple Use Drawing Needle as a pre-assembled product.



VACUETTE® QUICKSHIELD Complete PLUS

### The components of VACUETTE® QUICKSHIELD Complete/Complete PLUS



# VACUETTE® CLIX Safety Hypodermic Needle

## One Product - Two applications

The **VACUETTE®** CLIX Safety Hypodermic Needle can be used

- for taking venous blood samples (in combination with e.g. the HOLDEX® single-use holder)
- for giving injections

This versatile product comes with a wide range of needle thicknesses and lengths, easily distinguishable thanks to their colour-coded safety shields. One of the most impressive features of the **VACUETTE®** CLIX Safety Hypodermic Needle is how intuitive it is to use – it calls for only minimal training.

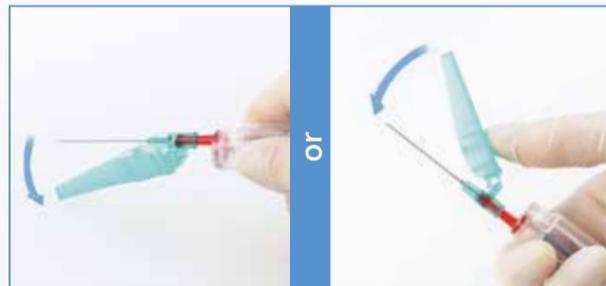
## One simple “clix” to fix

The needle has an integrated safety mechanism. When the user hears a click, they know that the safety shield is positioned securely around the needle and they can proceed without any risk of a needlestick injury.



VACUETTE® CLIX Safety Hypodermic Needle

## Application\*



- 1 Activate safety mechanism on solid surface or with thumb



- 2 Audible click indicates safety mechanism activation

\* For the complete handling recommendation please refer to the Instructions for Use for each product.

# HOLDEX® Single-Use Holder

## Used in combination with VACUETTE® CLIX Safety Hypodermic Needle

The practical Luer slip connection for attaching the HOLDEX® single-use holder with a safety hypodermic needle makes daily routine procedures easier. Threading in a luer adapter is not required. The HOLDEX® single-use holder features an excentric (off-centre) Luer adapter. This special design of the holder provides a more comfortable flat angle for venipuncture.

When used in combination with the **VACUETTE®** CLIX Safety Hypodermic Needle, the HOLDEX® single-use holder ensures safe blood collection.



# SAFETY Blood Collection Set

## Specially for difficult vein conditions

The SAFETY Blood Collection Set has been specially developed for patients with difficult vein conditions, but is equally suitable for any regular blood taking situation, due to the gentle comfort it provides to a patient. As the protection mechanism is activated whilst the needle is still in the vein, a high level of safety is ensured. Correct activation via retraction is indicated by an acoustic signal. With the transparent view window, visual control of successful vein penetration is possible, thus increasing venipuncture safety. It can be used for blood collection or infusion for up to four hours.



SAFETY Blood Collection Set

## The SAFETY Blood Collection Set is available in four versions:

- SAFETY Blood Collection/Infusion Set (without Luer Adapter)
- SAFETY Blood Collection Set with Luer Adapter
- SAFETY Blood Collection Set with Holder
- SAFETY Blood Collection Set with Blood Culture Holder

## Application\*



- 1 Remove protective cap



- 2 Venipuncture



- 3 Insert the tube



- 4 Remove the last tube



- 5 Activate the safety mechanism (by pressing down and pulling back the lighter coloured area)



- 6 Audible click indicates activation



- 7 Activated SAFETY Blood Collection Set



- 8 Disposal

\* For the complete handling recommendation please refer to the Instructions for Use for each product.

## MiniCollect® Safety Lancets

### Maximum safety even for capillary puncture

The handling of the **MiniCollect®** Safety Lancets could not be easier, thus contributing to a safer working procedure. Safety lancets are sterile, single-use products for capillary puncture. The blade or needle is automatically retracted after the puncture and securely enclosed in the plastic casing, avoiding needlestick injuries. Once activated, the safety mechanism cannot be reversed. The constant puncture depth of each lancet type ensures easy and standardised collection.



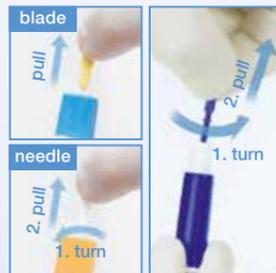
#### Lancelino Safety Lancets (left)

- 5 types for various penetration depths and applications  
**Blade:** yellow 2mm  
**Needles:** light green 1.2mm, lavender 1.5mm, blue 1.8mm, green 2.4mm
- Contact activated
- The rounded design ensures a comfortable grip with no edges or ridges

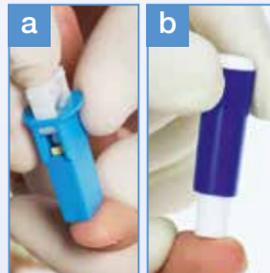
#### Safety Lancets (right)

- 5 types for various penetration depths and applications  
**Blades:** pink 1mm, green 1.5mm, blue 2mm  
**Needles:** lavender 1.25mm, orange 2.25mm
- Button activated
- Controllable alignment of blade / needle during penetration

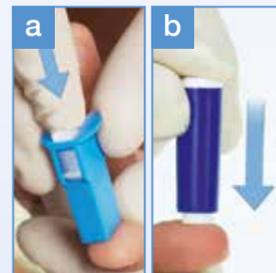
#### Application\*



**1** Remove the protective cover



**2** Position (a) the Safety Lancet or (b) the Lancelino Safety Lancet



**3** Skin puncture



**4** Gently apply pressure to the surrounding tissue, discard first drop of blood

\* For the complete handling recommendation please refer to the Instructions for Use for each product.

## VACUETTE® PREMIUM Tube

### Optimum protection when opening sample tubes in the laboratory

The **VACUETTE®** PREMIUM Tube with Safety Twist Cap as component of the **VACUETTE®** Blood Collection System provides laboratory staff a high level of protection, especially when opening the tube.

Just a half twist is necessary to open the safety cap. This controlled opening movement helps prevent blood splashes and aerosols.

The firm fit of the cap enables absolute transport safety.



VACUETTE® PREMIUM Tubes



Open with a short twist movement



Opened tube with Screw Thread

## Sharps Disposal Containers

### For disposal of sharp and pointed objects

Disposal containers increase safety considerably. They are used in practically all clinical areas.

Our product line covers different disposal containers for varying disposal situations. The capacity volumes range from 0.6 litres to 50 litres.

The containers are non-penetrable and have a temporary and permanent closure.

Certification: British Standard, UN, AFNOR



Sharps Disposal Containers

You will find a selection of **VACUETTE®** safety products on the following pages:

Item No.	Description	Packaging	
<b>VACUETTE® QUICKSHIELD Safety Tube Holder</b>			
450230	<b>VACUETTE®</b> QUICKSHIELD Safety Tube Holder	50 pcs.	1000 pcs.
<b>VACUETTE® QUICKSHIELD Complete/Complete PLUS</b> <b>VACUETTE®</b> QUICKSHIELD Safety Tube Holder & <b>VACUETTE®</b> Multiple Use Drawing Needle or VISIO PLUS Needle combination product			
450235	<b>VACUETTE®</b> QUICKSHIELD Complete PLUS 21G x 1", sterile	30 pcs.	300 pcs.
450239	<b>VACUETTE®</b> QUICKSHIELD Complete PLUS 21G x 1 1/2", sterile	30 pcs.	300 pcs.
450226	<b>VACUETTE®</b> QUICKSHIELD Complete PLUS 22G x 1", sterile	30 pcs.	300 pcs.
450228	<b>VACUETTE®</b> QUICKSHIELD Complete PLUS 22G x 1 1/2", sterile	30 pcs.	30 pcs.
450237	<b>VACUETTE®</b> QUICKSHIELD Complete, 21G x 1 1/2", sterile	30 pcs.	30 pcs.
450238	<b>VACUETTE®</b> QUICKSHIELD Complete, 21G x 1", sterile	30 pcs.	30 pcs.
450206	<b>VACUETTE®</b> QUICKSHIELD Complete, 22G x 1 1/2", sterile	30 pcs.	30 pcs.
450234	<b>VACUETTE®</b> QUICKSHIELD Complete, 22G x 1", sterile	30 pcs.	30 pcs.
<b>SAFETY Blood Collection Sets</b> sterile, single-packed			
450090	SAFETY Blood Collection/Infusion Set, 25G x 3/4", 19 cm tubing	50 pcs.	1000 pcs.
450091	SAFETY Blood Collection/Infusion Set, 21G x 3/4", 19 cm tubing	50 pcs.	1000 pcs.
450092	SAFETY Blood Collection/Infusion Set, 23G x 3/4", 19 cm tubing	50 pcs.	1000 pcs.
450191	SAFETY Blood Collection/Infusion Set, 21G x 3/4", 30 cm tubing	50 pcs.	1000 pcs.
450192	SAFETY Blood Collection/Infusion Set, 23G x 3/4", 30 cm tubing	50 pcs.	1000 pcs.
450083	SAFETY Blood Collection Set + Luer Adapter, 21G x 3/4", 10 cm tubing	50 pcs.	1000 pcs.
450081	SAFETY Blood Collection Set + Luer Adapter, 21G x 3/4", 19 cm tubing	50 pcs.	1000 pcs.
450095	SAFETY Blood Collection Set + Luer Adapter, 21G x 3/4", 30 cm tubing	50 pcs.	1000 pcs.
450084	SAFETY Blood Collection Set + Luer Adapter, 23G x 3/4", 10 cm tubing	50 pcs.	1000 pcs.
450082	SAFETY Blood Collection Set + Luer Adapter, 23G x 3/4", 19 cm tubing	50 pcs.	1000 pcs.
450096	SAFETY Blood Collection Set + Luer Adapter, 23G x 3/4", 30 cm tubing	50 pcs.	1000 pcs.
450099	SAFETY Blood Collection Set + Luer Adapter, 25G x 3/4", 30 cm tubing	50 pcs.	1000 pcs.
450087	SAFETY Blood Collection Set + Holder, 21G x 3/4", 10 cm tubing	24 pcs.	240 pcs.
450085	SAFETY Blood Collection Set + Holder, 21G x 3/4", 19 cm tubing	24 pcs.	240 pcs.
450086	SAFETY Blood Collection Set + Holder, 23G x 3/4", 19 cm tubing	24 pcs.	240 pcs.
450080	SAFETY Blood Collection Set + Holder, 25G x 3/4", 30 cm tubing	24 pcs.	240 pcs.
450088	SAFETY Blood Collection Set + Holder, 23G x 3/4", 10 cm tubing	24 pcs.	240 pcs.
450160	SAFETY Blood Collection Set + Holder, 21G x 3/4", 30 cm tubing	24 pcs.	240 pcs.
450161	SAFETY Blood Collection Set + Holder, 23G x 3/4", 30 cm tubing	24 pcs.	240 pcs.
450182	SAFETY Blood Collection Set + Blood Culture Holder, 21G x 3/4", 19 cm tubing	24 pcs.	240 pcs.
450183	SAFETY Blood Collection Set + Blood Culture Holder, 23G x 3/4", 19 cm tubing	24 pcs.	240 pcs.
450184	SAFETY Blood Collection Set + Blood Culture Holder, 21G x 3/4", 30 cm tubing	24 pcs.	240 pcs.
450185	SAFETY Blood Collection Set + Blood Culture Holder, 23G x 3/4", 30 cm tubing	24 pcs.	240 pcs.
<b>VACUETTE® CLIX Safety Hypodermic Needle</b> sterile, not made with natural rubber latex Indications: BC - venous blood collection, SC - subcutaneous, ID - Intradermal, IM - intramuscular, IV - intravenous, IA - intraarterial			
411252	<b>VACUETTE®</b> CLIX Safety Hypodermic Needle, 20G x 1 1/2", yellow (BC, IM, IV)	100 pcs.	800 pcs.
411253	<b>VACUETTE®</b> CLIX Safety Hypodermic Needle, 21G x 1 1/2", green (BC, IM, IV, IA)	100 pcs.	800 pcs.
411254	<b>VACUETTE®</b> CLIX Safety Hypodermic Needle, 21G x 1", green (BC, IM, IV, IA)	100 pcs.	800 pcs.

411256	<b>VACUETTE®</b> CLIX Safety Hypodermic Needle, 22G x 1 1/2", black (BC, IM, IV, IA)	100 pcs.	800 pcs.
411259	<b>VACUETTE®</b> CLIX Safety Hypodermic Needle, 23G x 1", blue (IM, IV, IA)	100 pcs.	800 pcs.
411258	<b>VACUETTE®</b> CLIX Safety Hypodermic Needle, 25G x 1", orange (SC, ID, IM, IA)	100 pcs.	800 pcs.
Over 30 product types available. Extensive list with all product types available upon request. Minimum order quantities may apply.			
<b>HOLDEX® Single-Use Holder PP</b> sterile			
450263	HOLDEX® Single-Use Holder PP	100 pcs.	800 pcs.
450241	HOLDEX® Single-Use Holder PP, not made with natural rubber latex	100 pcs.	800 pcs.
<b>MiniCollect® Safety Lancets</b> sterile			
450427	<b>MiniCollect®</b> Safety Lancet, 1 mm, pink, with blade	200 pcs.	2000 pcs.
450428	<b>MiniCollect®</b> Safety Lancet, 1,5 mm, green, with blade	200 pcs.	2000 pcs.
450429	<b>MiniCollect®</b> Safety Lancet, 2 mm, blue, with blade	200 pcs.	2000 pcs.
450438	<b>MiniCollect®</b> Safety Lancet, 1,25 mm, 28G, lavender, with needle	200 pcs.	2000 pcs.
450439	<b>MiniCollect®</b> Safety Lancet, 2,25 mm, 23G, orange, with needle	200 pcs.	2000 pcs.
<b>MiniCollect® Lancelino Safety Lancets</b> sterile			
450524	<b>MiniCollect®</b> Lancelino Safety Lancet, 2 mm, yellow, with blade	200 pcs.	2000 pcs.
450520	<b>MiniCollect®</b> Lancelino Safety Lancet, 1,2 mm, 30G, light green, with needle	200 pcs.	2000 pcs.
450521	<b>MiniCollect®</b> Lancelino Safety Lancet, 1,5 mm, 25G, lavender, with needle	200 pcs.	2000 pcs.
450522	<b>MiniCollect®</b> Lancelino Safety Lancet, 1,8 mm, 21G, blue, with needle	200 pcs.	2000 pcs.
450523	<b>MiniCollect®</b> Lancelino Safety Lancet, 2,4 mm, 21G, green, with needle	200 pcs.	2000 pcs.
<b>VACUETTE® PREMIUM Tubes</b> Selection from Product Range			
474092	4ml, Z Serum Clot Activator, red/black, 13x75, transparent label	50 pcs.	1200 pcs.
476092	6ml, Z Serum Clot Activator, red/black, 13x100, transparent label	50 pcs.	1200 pcs.
456092	6ml, Z Serum Clot Activator, red/black, 13x100, paper label	50 pcs.	1200 pcs.
476071	5ml, Z Serum Sep Clot Activator, red/yellow, 13x100, transparent label	50 pcs.	1200 pcs.
456071	5ml, Z Serum Sep Clot Activator, red/yellow, 13x100, paper label	50 pcs.	1200 pcs.
474084	4ml, LH Lithium Heparin, green/black, 13x75, transparent label	50 pcs.	1200 pcs.
454084	4ml, LH Lithium Heparin, green/black, 13x75, paper label	50 pcs.	1200 pcs.
476084	6ml, LH Lithium Heparin, green/black, 13x100, transparent label	50 pcs.	1200 pcs.
474327	3.5ml, 9NC Coagulation sodium citrate 3.2%, light blue/black, 13x75, transp. label	50 pcs.	1200 pcs.
474036	4ml, K3E K3EDTA, lavender/black, 13x75, transparent label	50 pcs.	1200 pcs.
<b>Sharps Disposal Containers</b>			
450330	Minicompact, 0.6 Litre	1 pc.	150 pcs.
450331	Minicompact, 1.0 Litre	1 pc.	150 pcs.
450332	Biocompact, 1.8 Litre	1 pc.	30 pcs.
450333	Biocompact, 3.0 Litre	1 pc.	30 pcs.
450334	Biocompact, 5.0 Litre	1 pc.	30 pcs.
450335	Biocompact, 10 Litre	1 pc.	30 pcs.
450338	Biogrip, 30 Litre	1 pc.	1 pc.
450339	Biogrip, 50 Litre	1 pc.	1 pc.



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