VACUETTE®
Safety Products
Our Innovations for Your Safety
Needlestick Injuries – Still a Big Risk

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.


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.

www.gbo.com/preanalytics
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.

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.

The components of VACUETTE® QUICKSHIELD Complete/Complete PLUS

Safety Shield
Is pre-assembled directly on the holder and can be positioned in any direction.

VACUETTE® VISIO PLUS Needle
Transparent View Window

VACUETTE® QUICKSHIELD Complete PLUS
The holder comes with pre-attached VISIO PLUS Needle, sterile and single-packed in blister.
**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.

**Application**

1. Activate safety mechanism on solid surface or with thumb
2. Audible click indicates safety mechanism activation

**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.

The SAFETY Blood Collection Set is available in four versions:
- SAFETY Blood Collection/Infusion Set
- 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.

**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 eccentric (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.
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.

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
- Contact activated
- Button activated
- Controllable alignment of blade / needle during penetration

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

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.

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

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>450230</td>
<td>VACUETTE® QUICKSHIELD Safety Tube Holder</td>
<td>50 pcs.</td>
</tr>
<tr>
<td>450239</td>
<td>VACUETTE® QUICKSHIELD Complete PLUS 21G x 1”, sterile</td>
<td>30 pcs.</td>
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<tr>
<td>450226</td>
<td>VACUETTE® QUICKSHIELD Complete PLUS 22G x 1”, sterile</td>
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<td>VACUETTE® QUICKSHIELD Complete, 21G x 1 1/2”, sterile</td>
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<tr>
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<td>VACUETTE® QUICKSHIELD Complete, 22G x 11/2”, sterile</td>
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<tr>
<td>450090</td>
<td>SAFETY Blood Collection/Infusion Set, 250x3/4”, 19 cm tubing</td>
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<td>SAFETY Blood Collection/Infusion Set, 21G x 3/4”, 19 cm tubing</td>
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<td>SAFETY Blood Collection Set, 21G x 3/4”, 30 cm tubing</td>
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<td>SAFETY Blood Collection Set, 23G x 3/4”, 30 cm tubing</td>
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<tr>
<td>450083</td>
<td>SAFETY Blood Collection Set + Luer Adapter, 210 x 3/4”, 10 cm tubing</td>
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<td>SAFETY Blood Collection Set + Luer Adapter, 210 x 3/4”, 19 cm tubing</td>
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<td>SAFETY Blood Collection Set + Holder, 210 x 3/4”, 30 cm tubing</td>
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<td>450182</td>
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<td>24 pcs.</td>
</tr>
<tr>
<td>450092</td>
<td>VACUETTE® CLIX Safety Hypodermic Needle</td>
<td>sterile, not made with natural rubber latex</td>
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<tr>
<td>450093</td>
<td>VACUETTE® CLIX Safety Hypodermic Needle, 25G x 1”, sterile</td>
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<tr>
<td>450094</td>
<td>VACUETTE® CLIX Safety Hypodermic Needle, 23G x 1 1/2”, sterile</td>
<td>100 pcs.</td>
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</tbody>
</table>

You can order our products in any quantity over 500 units. Minimum order quantities may apply. If you need a specific product type or have any questions about the ordering process, please contact us. We look forward to your order.