

# GREINER BIO-ONE SAFETY PRODUCTS



Our Innovations  
for Your Safety

# Needlestick Injuries – Still a Big Risk

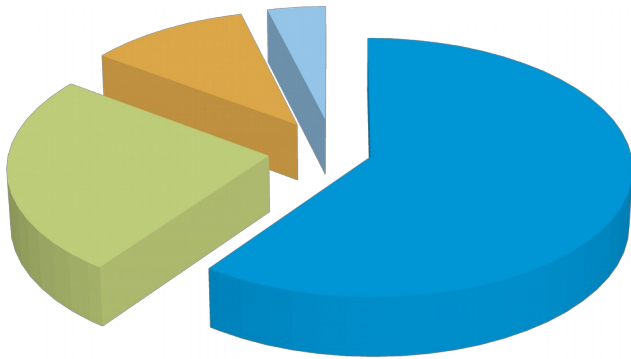
The **MOST FREQUENT CAUSE OF ACCIDENTS** in hospitals are injuries due **TO CONTAMINATED PUNCTURE DEVICES**.

- More than **30 BLOODBORNE PATHOGENS** (e.g. HBV, HCV and HIV)
- It is **UP TO TEN TIMES** more likely for **INFECTIONS TO OCCUR IN A HOSPITAL SETTING** than in an external setting



# Needlestick Injuries – Still a Big Risk

**WHO IS AT RISK** of incurring  
a needlestick injury?



Source: SAFETY FIRST Kooperation, Bundesverband der Unfallkassen



# Needlestick Injuries – Still a Big Risk

A survey in 2008 showed that  
**1 IN 10 NURSES** are stuck by a  
needle over the course of a year,  
regardless of the setting.

That's **10%** of nurses **LIVING  
IN FEAR** of the outcome.





# Needlestick Injuries – The Aftermath



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.**

# Needlestick Injuries – The Costs



The costs for **FOLLOWING UP  
ON A NEEDLESTICK INJURY**,  
not including loss of working  
hours and depending on  
intensity of the required  
measures, are  
**BETWEEN 356 EUR  
AND 3,465 EUR**

(laboratory tests, examinations,  
counseling, medication, etc.)

” **62% – 88%**  
of the estimated  
total of  
**NEEDLESTICK  
INJURIES  
COULD BE  
AVOIDED**  
if **SAFETY  
PRODUCTS**  
were used. ”

Source: Chamblee, Jim; Blue Print for Health: [www: blueprint.bluecrossmn.com](http://www.blueprint.bluecrossmn.com)



# International Guidelines

In order to **PREVENT NEEDLESTICK INJURIES**, the European social partners have reached a framework agreement, which became a European Union Guideline in 2010.

## **GUIDELINES SPECIFY THE USE OF SAFETY PRODUCTS:**

- **EUROPE:** European Guideline 2010/32/EU
- **USA:** Needlestick Prevention and Safety Act





# Provide your staff with the necessary protection

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.**



# 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.



# Provide your staff with the necessary protection

## LET US SUPPORT YOU with our SAFETY PRODUCTS

- We aim to drastically **reduce the amount** of needlestick injuries in the healthcare sector
- We want to help create **safer and more pleasant** daily working conditions



# Strategies for avoiding needlestick injuries

## RISK ASSESSMENT

- According to the European Guideline 2010/32/EU it can **NEVER BE ASSUMED** that there is **NO RISK OF NEEDLE STICK INJURIES**.





# Strategies for avoiding needlestick injuries

## MEASURES FOR PREVENTION AND PROTECTION

- **SAFETY ENGINEERED DEVICES**  
should be used if there is any  
risk of transmitting body fluids
- The choice of safety products  
must be made with consideration  
to the **EASE OF HANDLING**  
and **ACCEPTANCE AMONGST**  
**EMPLOYEES**



# Strategies for avoiding needlestick injuries

## TRAINING & EDUCATION

- Care must be taken to ensure that EMPLOYEES **APPLY SAFETY PRODUCTS CORRECTLY**



THE SOLUTION

# Safety Products from Greiner Bio-One

# Safety Products from Greiner Bio-One

Our safety products provide advantages,  
which **SIMPLIFY APPLICATION**,  
**INCREASE SAFETY** and have  
been designed  
with **OPTIMUM  
ERGONOMICS**  
in mind.





# Safety Products from Greiner Bio-One

Features that are stipulated in several safety guidelines and apply to all our safety products:

- **Not detract** from patient care and **function reliably**
- Safety mechanism must be **integral part** of device
- Easy to use and **require only minimal change in technique**
- Safety mechanism must be **easy to activate**
- **Not create** safety risks or **sources of exposure to blood**
- **One-handed** or automatic **activation** preferred
- **Signal must indicate correct activation** of safety mechanism
- Activated safety mechanism should be **irreversible**



For daily blood  
collection procedures

# VACUETTE® QUICKSHIELD Safety Tube Holder

# VACUETTE® QUICKSHIELD Safety Tube Holder

The **VACUETTE® QUICKSHIELD** Safety Tube Holder is especially suitable for routine blood collection.

There is **NO CHANGE** to the usual **COLLECTION TECHNIQUE**.

The **SAFETY SHIELD** is **ACTIVATED ONE-HANDED** either with the aid of a solid surface or with the thumb.



# VACUETTE® QUICKSHIELD Safety Tube Holder

The **ROTATING SAFETY SHIELD** ensures:

- **Clear visibility** of the entire puncture site
- **Greater flexibility** to adapt as effectively as possible to any situation

360°





# Product Range

## VACUETTE® QUICKSHIELD Safety Tube Holder

Item N° 450230



use with  
**VACUETTE® Multiple  
Use Drawing Needle**

Item N° 450071-77



## VACUETTE® QUICKSHIELD Complete PLUS

Item N° 450226/450228/  
450235/450239

VISIO PLUS



transparent  
view window



complete product with  
pre-assembled needle

or with  
**VACUETTE®  
VISIO PLUS Needle**

Item N° 450040-43

# The Advantages

- **Greater flexibility** in regards to user and patient-specific requirements thanks to the **rotating safety shield**
- Comfort through **one-handed activation**
- Safety product suitable for **compliance with safety guidelines**
- Dot on the protective needle cap serves as an **orientation aid for the needle bevel**
- No changes to collection technique
- **Audible “click”** indicates to the user that the safety shield has been fully activated
- Can be used with equal ease by both **left-handers and right-handers**





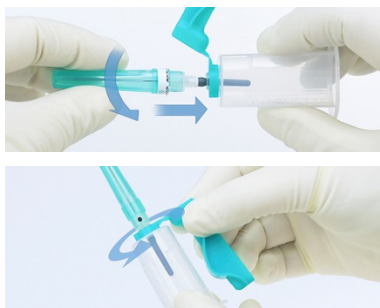
VACUETTE® QUICKSHIELD

# Instructions for Use

For the complete handling recommendation please refer to the  
Instructions for Use for each product on [www.gbo.com](http://www.gbo.com)

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1

Thread the  
needle\*,  
if desired,  
re-position  
safety shield

2

Remove  
protective  
needle cap

3

Venipuncture

4

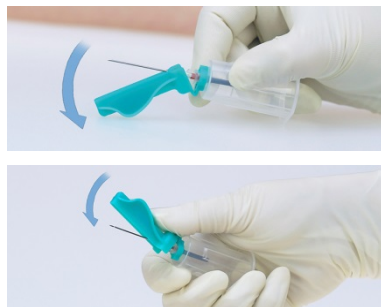
Insert the tube

\* This step is not applicable for  
**VACUETTE® QUICKSHIELD**  
Complete and **VACUETTE®**  
QUICKSHIELD Complete PLUS



# Instructions for Use

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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

Specially for difficult  
vein conditions

# SAFETY Blood Collection Set



# SAFETY Blood Collection Set

The SAFETY Blood Collection Set has been specially developed for patients with difficult vein conditions.

As the **PROTECTION MECHANISM** is activated whilst the needle is still in the vein, a **HIGH LEVEL OF SAFETY** is ensured.



# SAFETY Blood Collection Set

## PROVIDING PROTECTION

against needlestick injuries:

- Correct activation via retraction is indicated by an **acoustic signal**
- With the transparent view window, **visual control of successful vein penetration** is possible
- It can be used for **blood collection or short-term infusion**



# Product Range

## SAFETY Blood Collection Set

Item N° 450090-92



### SAFETY MECHANISM

audible "click"



## SAFETY Blood Collection Set + Luer Adapter

Item N° 450081-84  
450095-96 / 99

Pre-attached set with Luer  
adapter in sterile blister pack



## SAFETY Blood Collection Set + Holder

Item N° 450071-77

Pre-attached  
set with holder in  
sterile blister pack



## SAFETY Blood Collection Set + Blood Culture Holder

Item N° 450182-85

Designed for use with  
most commonly used  
blood culture bottles

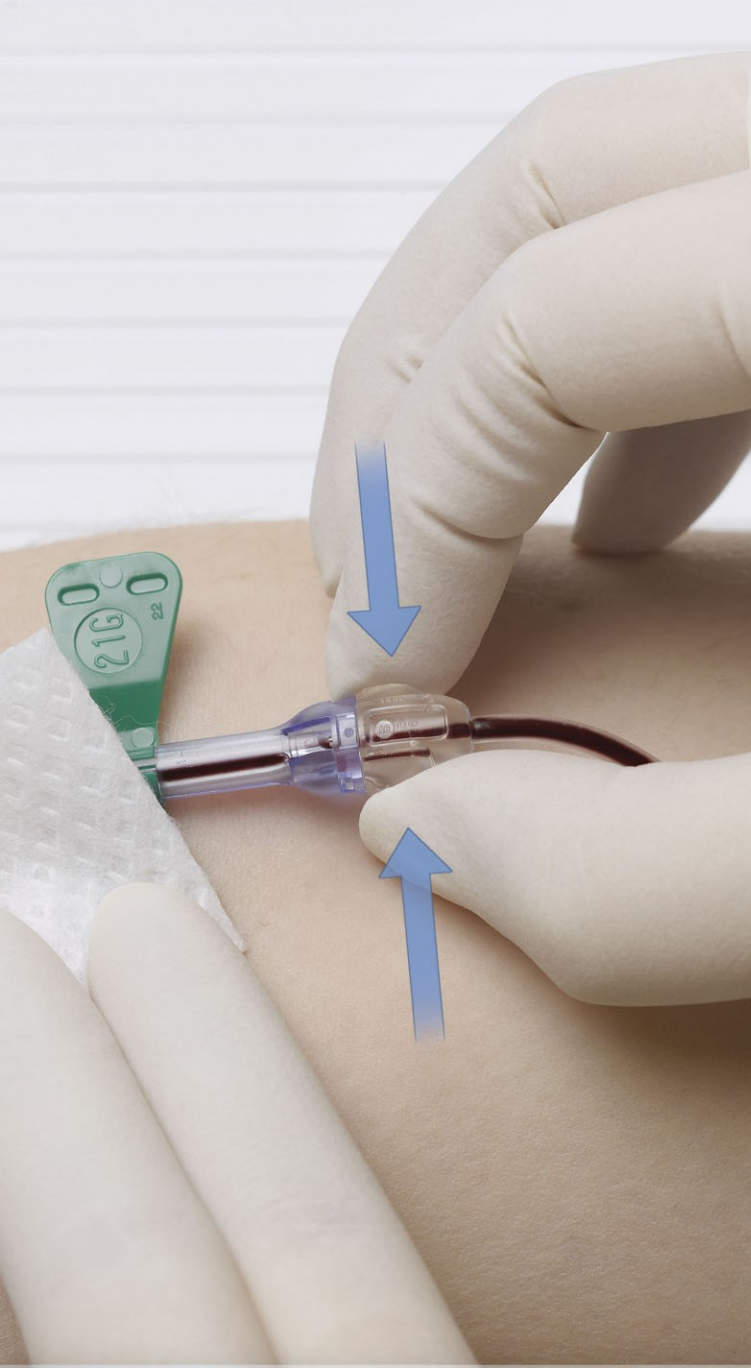




# The Advantages

- Complete activation of the safety mechanism is clearly indicated by an **audible “click”**
- **Simple activation of the safety mechanism** via lightly pressing in both sides of the hub
- Transparent view window provides **clear vein entry indication**
- Particularly safe due to **activation** of the safety mechanism **while the needle is still in the vein**
- Assorted tube lengths offer **more flexibility** for blood collection
- Optional use as an **infusion set**





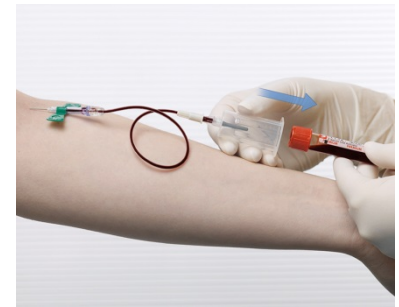
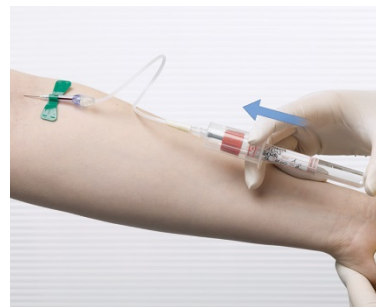
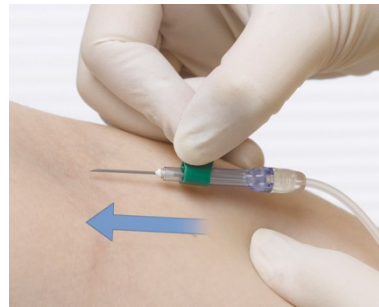
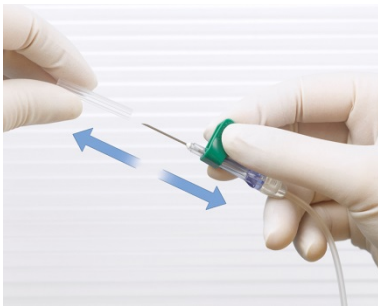
SAFETY Blood Collection Set

# Instructions for Use

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- 1**  
Remove  
protective cap
- 2**  
Venipuncture
- 3**  
Insert the tube
- 4**  
Remove the  
last tube

# Instructions for Use

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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



One simple  
“clix” to fix

# VACUETTE® CLIX Safety Hypodermic Needle



# VACUETTE® CLIX Safety Hypodermic Needle

The **VACUETTE®** CLIX Safety Hypodermic Needle can be applied for both **VENOUS BLOOD COLLECTION** as well as **INJECTION PURPOSES**.

The **safety mechanism** is an **integral part of the device** and activated with one hand.



# VACUETTE® CLIX Safety Hypodermic Needle

For a **SAFE BLOOD COLLECTION**  
or **INJECTION**:

- **Audible “clix”** indicates safety activation
- **Double lock mechanism** to fix the needle
- For use with **syringes or blood collection devices**



# Product Range

There is an **EXTENSIVE PRODUCT LINE** available for **VACUETTE® CLIX** Safety Hypodermic Needle with **MORE THAN 30 DIFFERENT TYPES.**

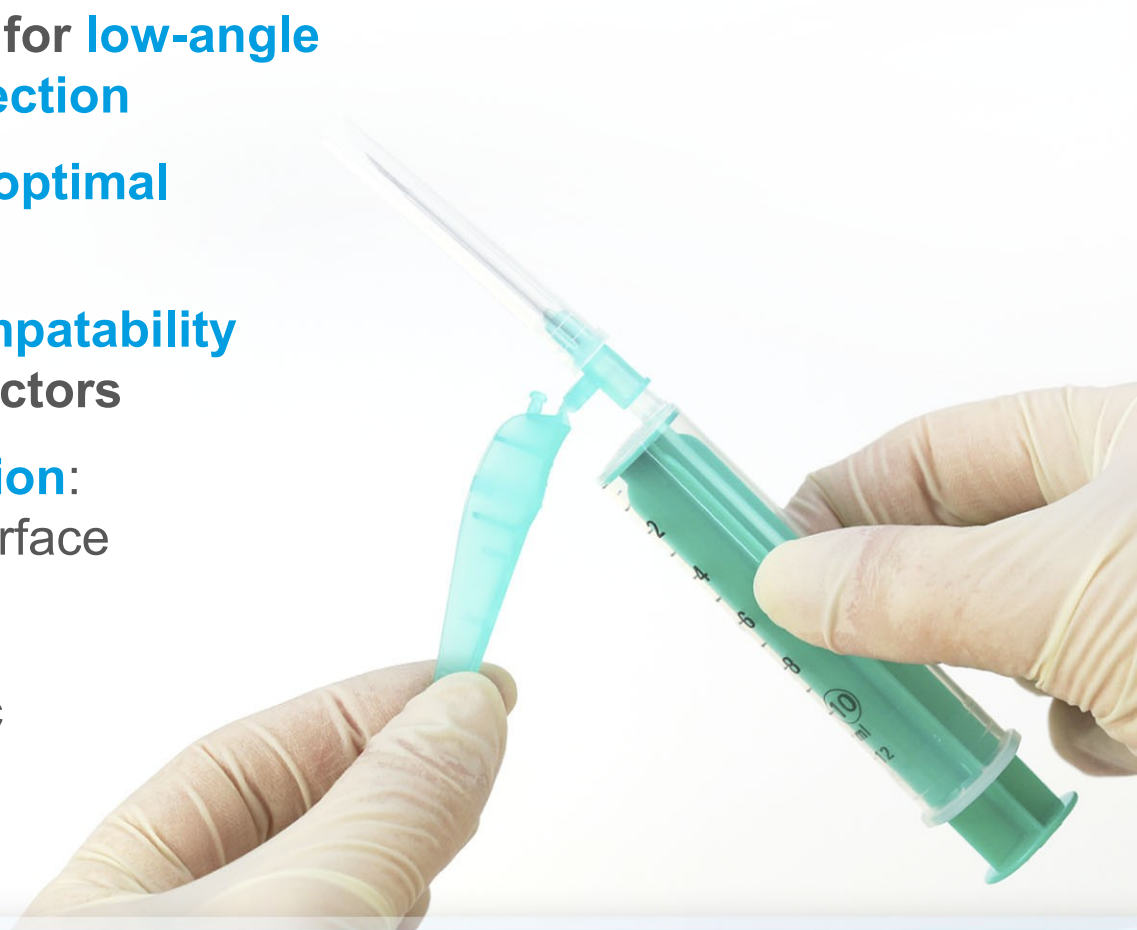
*(NOTE: minimum order numbers may apply)*

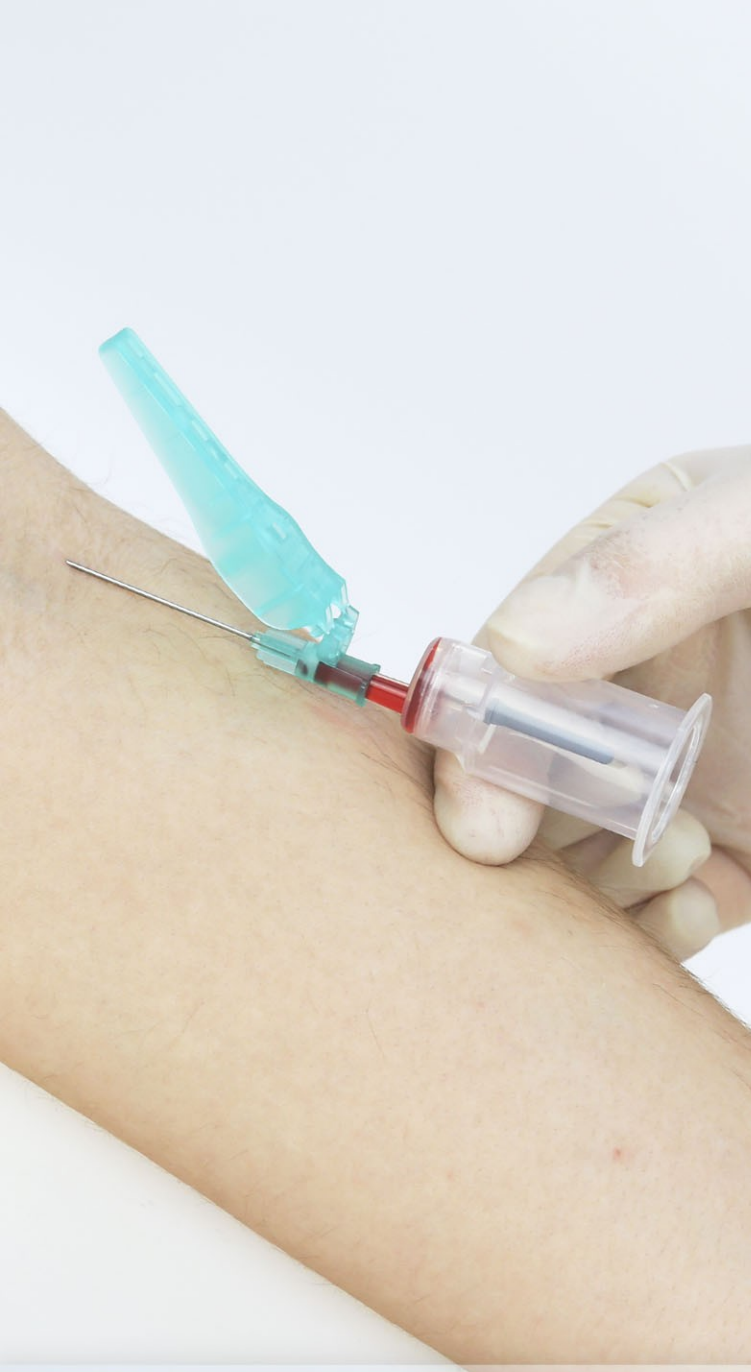
The **plastic shield is colour-coded** in accordance with ISO 6009.



# The Advantages

- **Intuitive handling**, minimal training needed
- Safety mechanism is an **integral part** of the device
- Bevel-up oriented needle for **low-angle injections** or **blood collection**
- Centred safety shield for **optimal view** to puncture site
- Standardised hub for **compatibility with normed luer connectors**
- **Choice of safety activation:** with thumb, or on hard surface
- Single-packed and sterile
- Latex-free, non-pyrogenic and non-toxic





## VACUETTE® CLIX Safety Hypodermic Needle

# Instructions for Use

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# Instructions for Use

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## 1a

Activate safety  
mechanism on  
solid surface

## 1b

or  
with thumb

## 2a

Audible click indicates safety  
mechanism activation

## 2b

Maximum safety for  
capillary puncture

# MiniCollect® Safety Lancets



# MiniCollect® Safety Lancets

The handling of **MiniCollect®** Safety Lancets could not be easier contributing to a **safer working procedure.**

The blade or needle is **AUTOMATICALLY RETRACTED** after the puncture and **securely enclosed** in the plastic casing, avoiding needlestick injuries.



# MiniCollect® Safety Lancets

**EASE OF HANDLING**  
ensures **PRODUCT SAFETY:**

- Once activated, safety mechanism **cannot be reversed**
- Available in **various puncture depths** and needle/blade versions
- **Sterile, single-use products** for capillary puncture



## LANCELINO SAFETY LANCETS

Item N° 450520-24

Five types of **contact activated** lancets  
for various penetration depths and applications

### BLADE:

yellow 2mm

### NEEDLES:

light green 1.2mm / lavender 1.5mm / blue 1.8mm / green 2.4mm

## SAFETY LANCETS

Item N° 450427-29 / 450438-39

Five types of **button activated** lancets for various  
penetration depths and applications, including heel sticks

### BLADES:

pink 1mm / green 1.5mm / blue 2mm

### NEEDLES:

lavender 1.25mm / orange 2.25mm







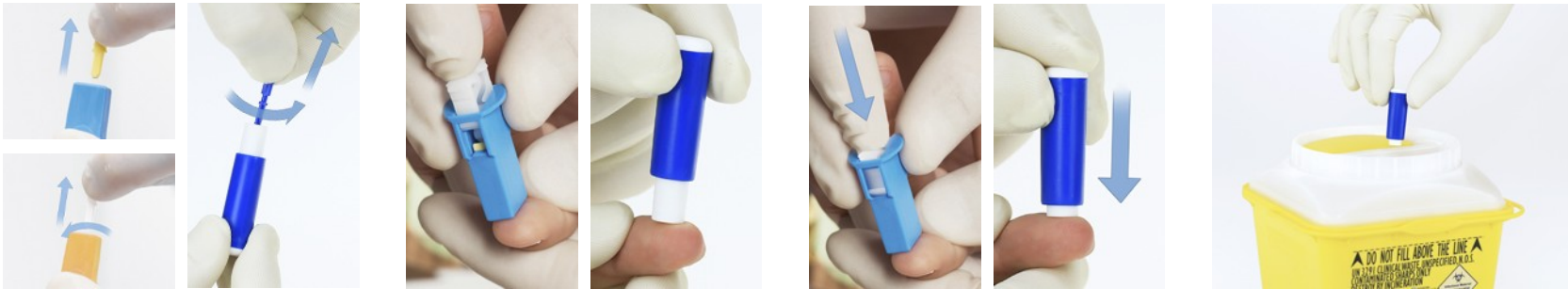
MiniCollect® Safety Lancets

# Instructions for Use

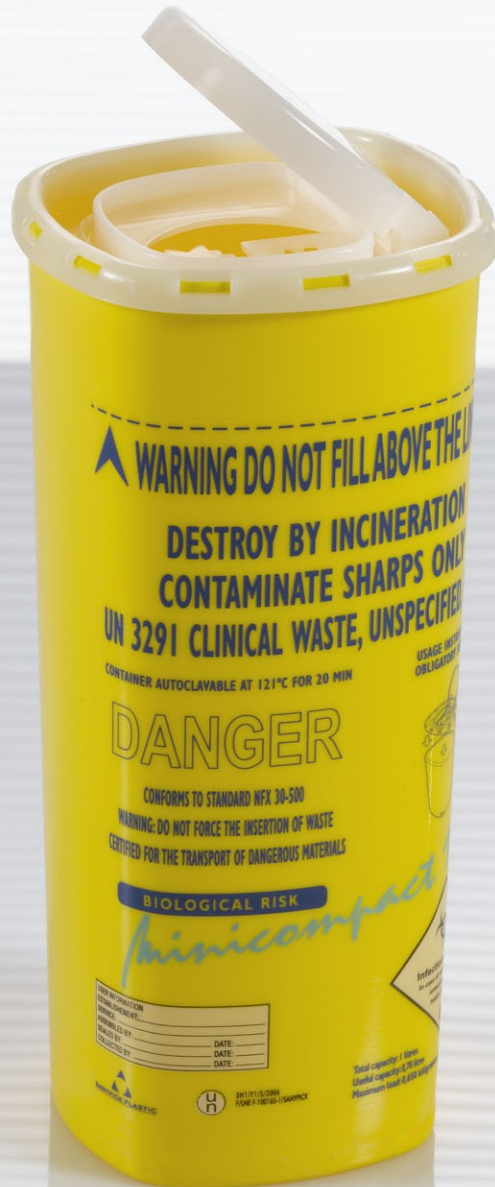
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# Instructions for Use

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- 1**  
Cleanse the puncture site and remove the protective cover of the blade or needle
- 2**  
Position the Safety Lancet (left) or the Lancelino Safety Lancet (right)
- 3**  
Puncture the skin by pressing the button (left) or pressing the lancet against the puncture site (right) until it activates
- 4**  
Disposal



For disposal of sharp  
and pointed objects

# Sharps Disposal Containers

# Sharps Disposal Containers

Disposal containers **INCREASE SAFETY CONSIDERABLY.**

They are used in practically all clinical areas.

Our product line covers different disposal containers for varying disposal situations.



# Sharps Disposal Containers

**PROTECT YOURSELF** and your employees from the risk of needlestick injury:

- The containers are **non-penetrable**
- Once they have been closed, they **cannot** be re-opened





The capacity volumes range from 0.6 litres to 50 litres.

**SEVERAL ACCESSORIES** are also available:

- Table support
- All-purpose holder
- Blood collection tray



# YOUR POWER FOR HEALTH