

# ONE-CARE<sup>®</sup>

## SAFETY NEEDLES **PRO**

New Generation Safety Needles for Ultimate Safety ...

### 100% Safe

Needle is automatically shielded at every stage of use thanks to a spring-based safety mechanism to prevent accidental needle-stick injuries



### Proper Injection Angle

Convenient platform allows injection at proper angle (90 or 45 degrees)



### Enhanced Visibility for Priming

Transparent shield and see-through window to view the needle tip

### Convenient Lock-Button

Unique lock-button disables the device and permanently locks the needle shield for safe disposal and prevention of re-use



### Universal Design

For use with Luer-Lock and Luer-Slip / Fillable and Pre-Filled Syringes

### Minimized Dead-Space

Special design of the needle hub to avoid medication/vaccination loss

## SETTING A NEW STANDARD IN SAFE HYPODERMIC INJECTIONS THANKS TO EU FUNDS FOR INNOVATION

ONE-CARE<sup>®</sup> PRO SAFETY NEEDLES were developed under POIR.01.01.01-00-1189/21 "Development of a dedicated manufacturing technology for an innovative product in the form of a universal safe needle for different types of syringes, ensuring unprecedented safety of use (from unpacking, through filling and injection, to disposal) and minimized dead space to reduce fluid loss".



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SAFETY NEEDLES **PRO**



## Why the World needs truly-safe Safety Needles & Syringes?

### Accidental Needle-Stick Problem

- World Health Organization reports **3 million accidental needle-sticks a year** globally, and close to **0.5 million serious injuries** with blood borne pathogens contributing to deaths.
- **1 million healthcare workers annually in the US alone** are put at risk to HIV/AIDS, hepatitis B virus (HBV), hepatitis C virus (HCV), and many other bloodborne diseases.

### Reuse of Needles & Syringes

- World Health Organization estimates that **40%** of the **16 billion** injections administered worldwide annually involve reused, unsterilized syringes and needles, with rates of unsafe injections climbing to **70%** in some countries.
- The reuse of injection equipment is responsible worldwide for **32%** of new HBV infections, **40%** of new HCV infections, and **5%** of all new HIV infections.

### Adoption of Safety Legislation

- **The Needlestick Safety and Prevention Act (Public Law 106-430)** was signed into U.S. law on November 6, 2000 and directed OSHA to revise its Bloodborne Pathogens Standard (29 CFR 1919.1030).
- **European Union published Sharps Directive 2010/32/EU** to prevent injuries and infections to healthcare workers from sharp objects such as needles, along with the risk of subsequent infection from blood-borne pathogens.
- Other countries adopted safety regulations across the globe, to include Japan, Brazil, Korea and Australia.

### Dominance of Quasi-Safe Syringes & Needles

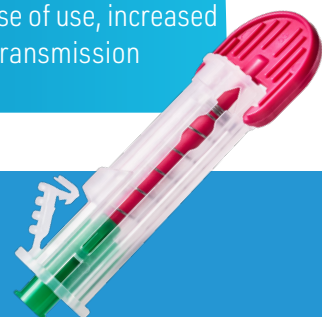
- Most of the safety syringes & needles available on the market are **not truly safe**. They contain a shield but the needle is exposed before and after use and needs be covered by the user manually.
- Auto-retractable syringes do not shield the needle before use and do not have safety transport mode. The retraction of needle is user-dependent (requires attention to depress plunger fully to the end) and can cause blood splatters.
- Some of these ill-conceived "safety" devices actually increase the number of needlestick injuries. In the fear of getting stuck, many users intentionally choose not to activate the "safety" features.

### Need for Safe Vaccination Programs

- **Spread of virus pandemic and poor sanitary conditions** in underdeveloped countries require use of safety devices to prevent accidental contraction of blood-borne diseases.
- **WHO, UN and NGOs** implemented supply programs of safety devices as part of the medical aid.

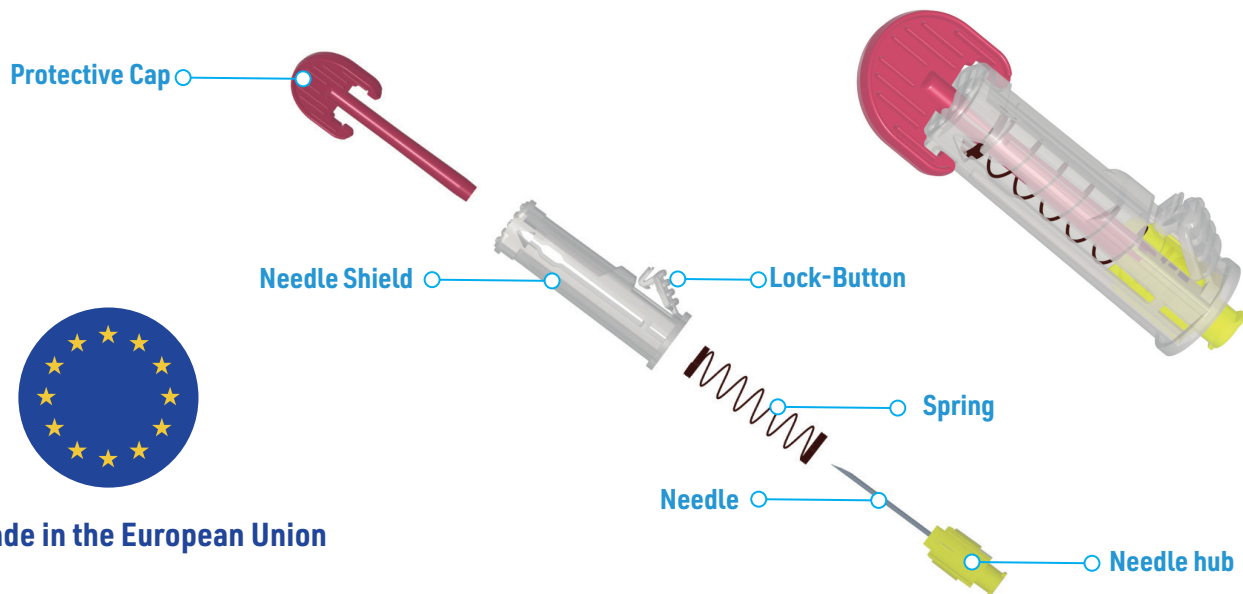
### Growth of Safety Syringes & Needles Market

- Global Safety Syringe market has been growing at **CAGR of 9.7%** and was estimated at **US\$ 6.50 billion** in 2019.
- Safety Syringes & Needles are reported to have higher YOY growth than Conventional Syringes.
- Within safety category, **Passive Safety Syringes are expected to emerge as the fastest growing category with a CAGR of 9.8% from 2016 to 2024.**
- The relatively fast growth of Passive Safety Syringes over Active Syringes is attributed to their ease of use, increased patient safety due to the automatic activation of the safety mechanism and prevention of infection transmission achieved with these syringes.



### Ultimate Safety

Safety is a primary concern for patients, healthcare professionals and healthcare systems. **ONE-CARE® PRO** Safety Needles are designed with features that reduce risk of needle-stick injuries and prevent infections of blood-borne pathogens.



Made in the European Union

Patented proprietary safety mechanism of ONE-CARE® PRO Safety Needles and Syringes

#### SAFETY MECHANISM WITH LDS TECHNOLOGY

Safety mechanism is designed outside of syringe barrel to provide truly safety solution, enhanced comfort for patient and healthcare professional, as well as "low dead space" to reduce medication loss.

#### PERMANENT SAFETY LOCK-BUTTON

Unique lock-button that can be depressed with instead of one-hand allows for permanent shielding of the needle for safe disposal and prevention of re-use.

#### AUTOMATED SAFETY SHIELD

Spring-based safety shield ensures that the needle is automatically covered during transportation to a patient, as well as before and immediately after injection.

#### Advantages over active-type safety syringes and needles:

- No manual shielding of the needle required
- No needle exposure before use
- No needle exposure immediately after use
- No need for engagement of two hands

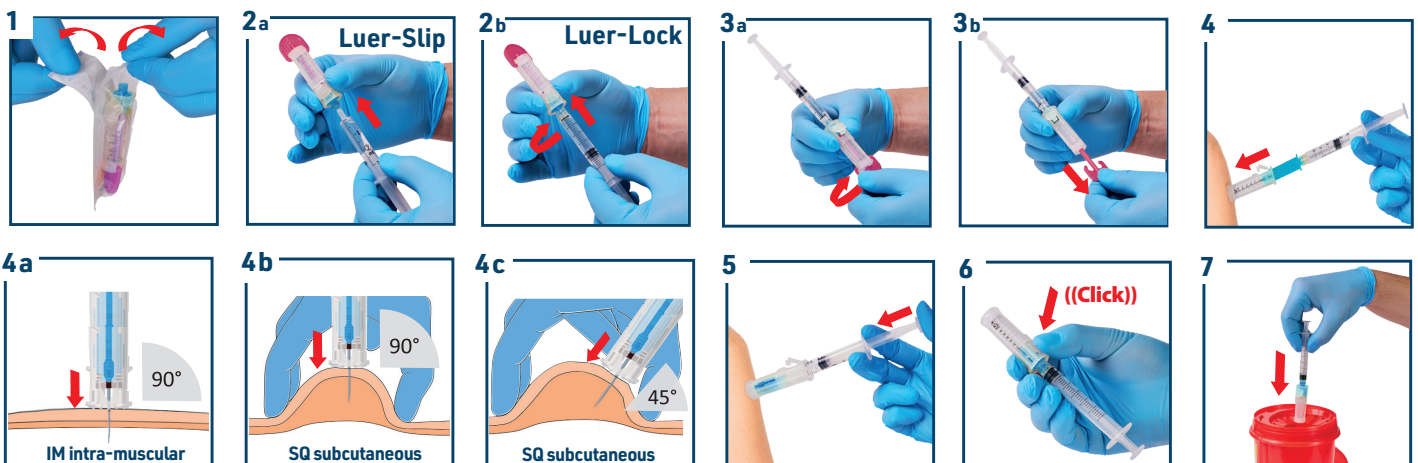
#### Advantages over passive-type safety syringes and needles:

- No premium cost
- No needle vibrations and risk of tissue/ muscle damage
- No blood splatters
- No more dead space and medication loss
- No needle exposure before use
- No need to refrain from safe transport mode (temporary needle shielding)



- **One-Hand Operation** – no need to engage second hand to shield the needle.
- **Activation Indicator** – audible “Click” and visual indicator (lock button remains permanently depressed).
- **Technique-Independent and Intuitive** – minimal training for new users.
- **Gentle for Patient’s Comfort** – shielded needle reduces patient’s anxiety. High quality, thin-wall, lubricated needles provide low penetration force and optimal medication/vaccination flow.
- **No Disadvantages** – no manual shielding required as compared to active safety syringes, and no needle vibrations and risk of blood aerosols as compared to auto-retractable syringes.
- **Competitive** – premium product with enhanced safety at attractive pricing with no extra cost to healthcare systems.

## INSTRUCTIONS FOR USE



1. Open blister pack aseptically.
2. Attach safety needle to syringe securely by inserting the needle hub onto (2a) Luer-Slip syringe or turning it onto (2b) Luer-Lock syringe.
3. While holding the needle shield in place other than lock-button, turn the pink protective cap (3a) and pull it straight out from the transparent shield (3b).
4. Position the safety needle shield on the selected injection site at desired angle\* and depress syringe barrel to retract the shield so that the needle can penetrate the skin to the full length.  
\*Depending on type of application, position the shield platform at:
  - 4 a) 90-degree without skin pinching (IM – intra-muscular injection),
  - 4 b) 90-degree with skin pinching (SQ – subcutaneous injection), or
  - 4 c) 45-degree with skin pinching (SQ – subcutaneous injection).
5. Press syringe plunger slowly and deliver the desired dose.
6. Remove from the injection site and immediately press the lock-button until you hear “Click”, which means that the device has been permanently disabled.
7. Dispose of the device into sharps container as per your local facility’s regulations.



# ONE-CARE<sup>®</sup>

SAFETY NEEDLES **PRO-3**

**FOR USE WITH LUER-LOCK  
AND LUER-SLIP SYRINGES UP TO 3 ML**



## **BEFORE INJECTION**

**Pink cap present and protecting the safety needle**



## **DURING USE / INJECTION**

**Pink cap removed, transparent shield  
automatically covering the cannula needle**



## **AFTER USE**

**Lock button depressed, cannula needle  
permanently shielded**



# ONE-CARE<sup>®</sup>

SAFETY NEEDLES **PRO-UNI**

**FOR USE WITH LUER-LOCK  
AND LUER-SLIP SYRINGES**



## **BEFORE INJECTION**

**Pink cap present and protecting the safety needle**



## **DURING USE / INJECTION**

**Pink cap removed, transparent shield  
automatically covering the cannula needle**



## **AFTER USE**

**Lock-button depressed, cannula needle  
permanently shielded**



[www.one-care.com](http://www.one-care.com)

### ORDERING INFORMATION



#### ONE-CARE® PRO-3 SAFETY NEEDLES for use with syringes up to 3ml

#### ONE-CARE® PRO-UNI SAFETY NEEDLES for use with syringes of any size

REF	DIAMETER X LENGTH	COLOR
2201	30G x 1/2"(12.7mm)	Yellow
2202	27G x 1"(25mm)	Grey
2203	27G x 16mm	Grey
2204	27G x 1/2"(12.7mm)	Grey
2205	25G x 1"(25mm)	Orange
2206	25G x 16mm	Orange
2207	23G x 1"(25mm)	Blue
2208	23G x 16mm	Blue
2209	22G x 1"(25mm)	Black
2210	21G x 1"(25mm)	Green
2211	20G x 1"(25mm)	Yellow
2212	18G x 1"(25mm)	Pink

REF	DIAMETER X LENGTH	COLOR
2222	27G x 1"(25mm)	Grey
2223	27G x 16mm	Grey
2224	27G x 1/2" (12.7mm)	Grey
2225	25G x 1"(25mm)	Orange
2226	25G x 16mm	Orange
2227	23G x 1"(25mm)	Blue
2228	23G x 1"(16mm)	Blue
2229	22G x 1"(25mm)	Black
2230	21G x 1"(25mm)	Green
2231	20G x 1"(25mm)	Yellow
2232	18G x 1"(25mm)	Pink



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**MediVena®**  
inspired by innovation

Distributed in the US by:

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