



EMEA PRODUCT CATALOG

MEDICATION DELIVERY



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EMEA-MD-413-0123

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SOL-MILLENNIUM is a vertically integrated global medical supply company group with locations across the globe. We are one of the world's leading manufacturers of needles and syringes and also distribute a comprehensive line of medical devices and supplies.

Our innovative technology reduces needlestick injuries, saves on medication expenses and enhances both clinician and patient experience. Our international sales team is dedicated to delivering knowledge and outstanding customer service. Our goal is to work together as partners in the healthcare industry, focusing on a healthier tomorrow.



- Global Main Office
- Research & Development
- Sales, Marketing & Distribution
- Manufacturing

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This material is a general information resource aimed at demonstrating our offering solely for Healthcare Professionals based in Poland and in some of the EU countries. Its content is directed at and restricted to a professional audience only. It is not a binding offer nor country-specific information, and as the case may be, the products' availability and our offering may vary in the country where you are located. Please contact your Sol Millennium representative if you have questions about the availability of specific products in your area.

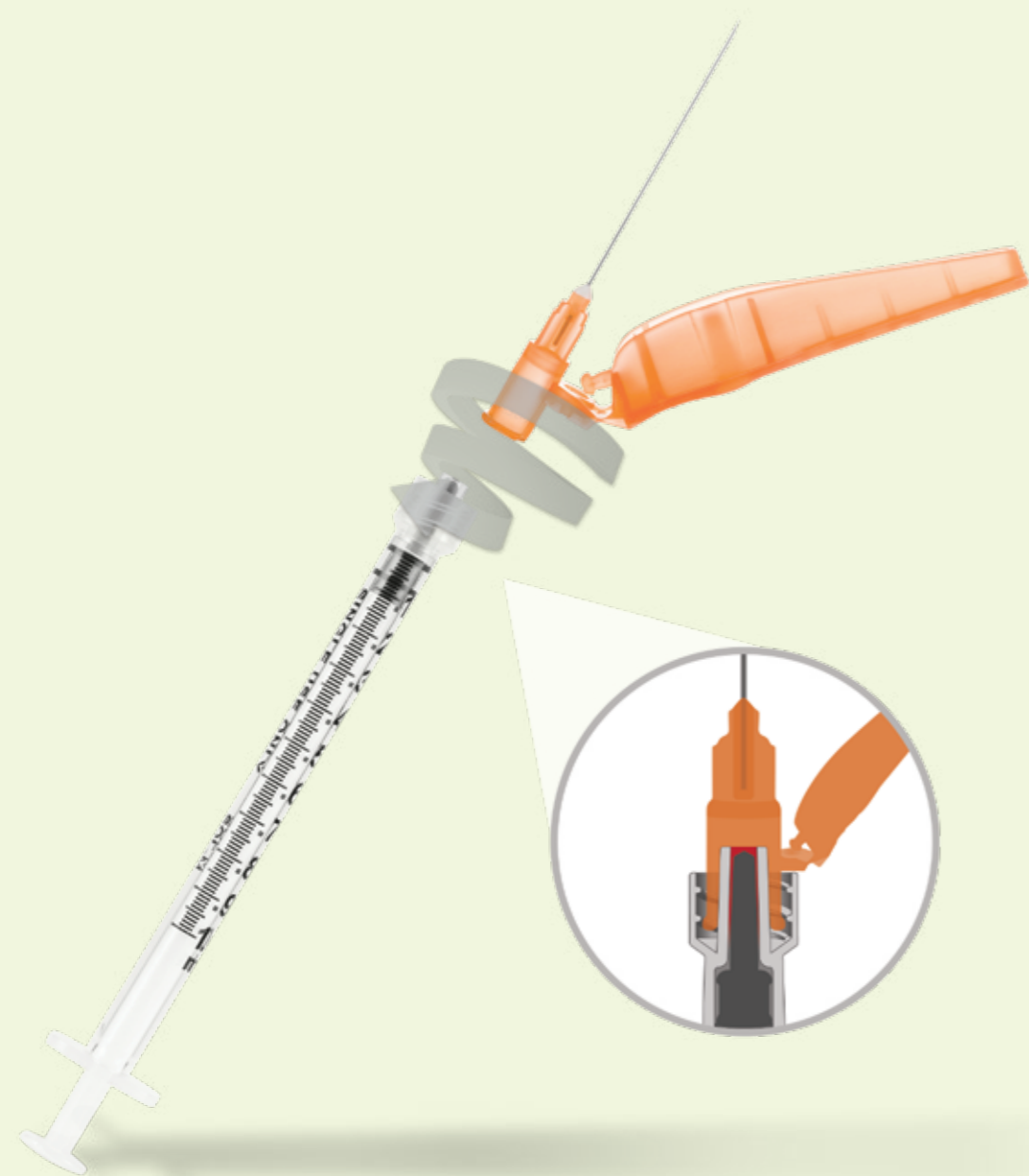
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LOW DEAD SPACE



Sol-Care™ Luer Lock Syringe with Safety Needle

Sol-Millennium's® Low Dead Space Injection Devices for Vaccination

LDS syringes minimize “dead space”, which is the area within the syringe that retains medication even after it has been injected. Minimizing this “dead space” improves the efficiency of medication delivery by reducing the amount of medication wasted with every administration.



LDS Syringes are designed to **reduce waste of fluids and thus may allow obtaining a complete number of doses** from each vial

Sol Millennium's® LDS syringes provide important savings because they help obtaining a complete number of doses that can be drawn from a multi-dose vial.^{1, 2} Therefore, LDS syringes facilitated the greater distribution of vaccines and were of particular significance during the COVID-19 vaccination campaigns because they helped to deliver the complete number of doses that could be delivered from a limited number of vaccine vials.^{2, 3}

No changes to clinical practice are necessary to use and benefit from an LDS syringe. It is an easy and simple transition that immediately provides cost-savings and improves efficiency.

1. Strauss K, van Zundert A, Frid A, Costigliola V. Pandemic influenza preparedness: the critical role of the syringe. *Vaccine*. 2006. May 29;24(22):4874–82.2.

2. Le Dare B, Bacle A, Lhermitte R, Lesourd F, Lurton Y. Increasing vaccine supply with low dead-volume syringes and needles. *International Journal of Pharmaceutics* 2021. 608: 121053

3. EMA 2021. Extra dose from vials of Comirnaty COVID-19 vaccine. News 08/01/2021. Available online at www.ema.europa.eu. Accessed 22 January 2021.

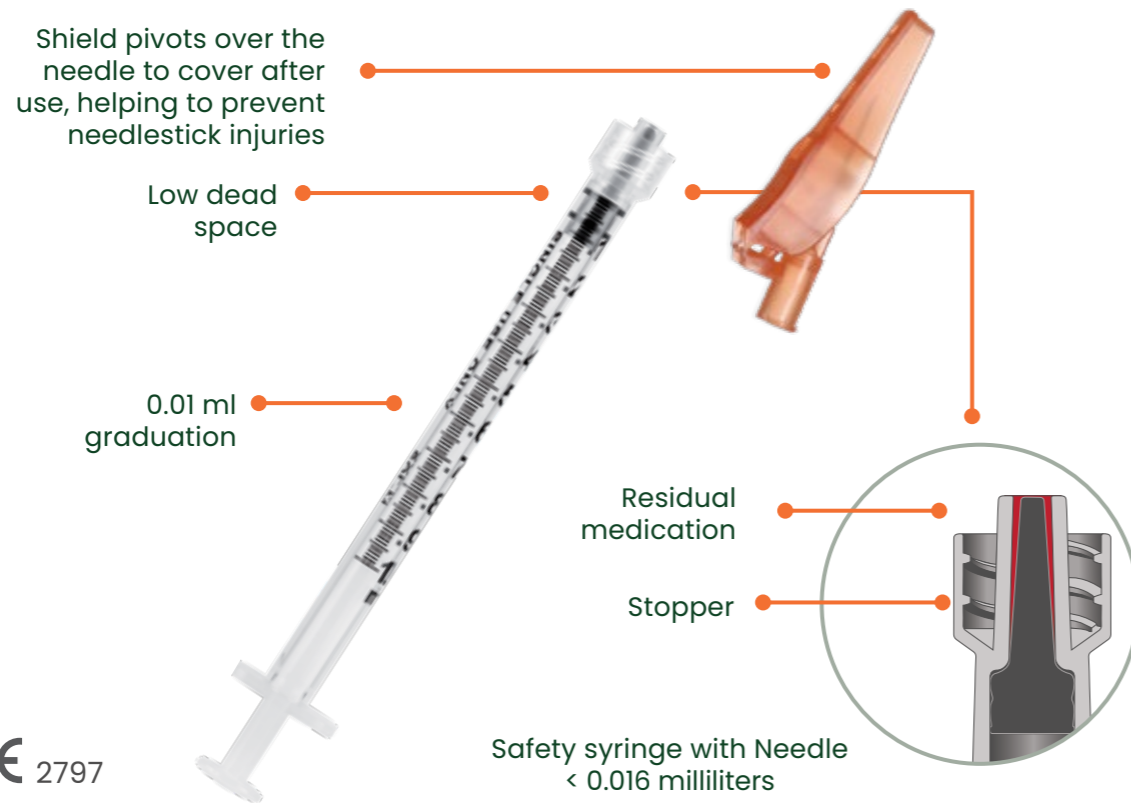
Sol-Care™



Luer Lock Syringe with Safety Needle

Sol-Millennium has engineered a remarkable low dead space solution with an exchangeable needle. Now you can exchange needles and utilize the Double Needle Technique and still benefit from Low Dead Space!

- Designed according to ISO 7886-1 and ISO 23908
- Not manufactured with Latex, PVC and DEHP



CE 2797

Intended use: Used to inject fluids into, or withdraw fluids from, the body.

Intended user: Licensed healthcare professionals (HCP).

Cautions:

- Single use device. Re-use or use if the package is damaged may lead to infection or other illness/ injury.
- Sharp object. Risk of sharp injuries.

Sol-Care™ Luer Lock Syringe with Safety Needle

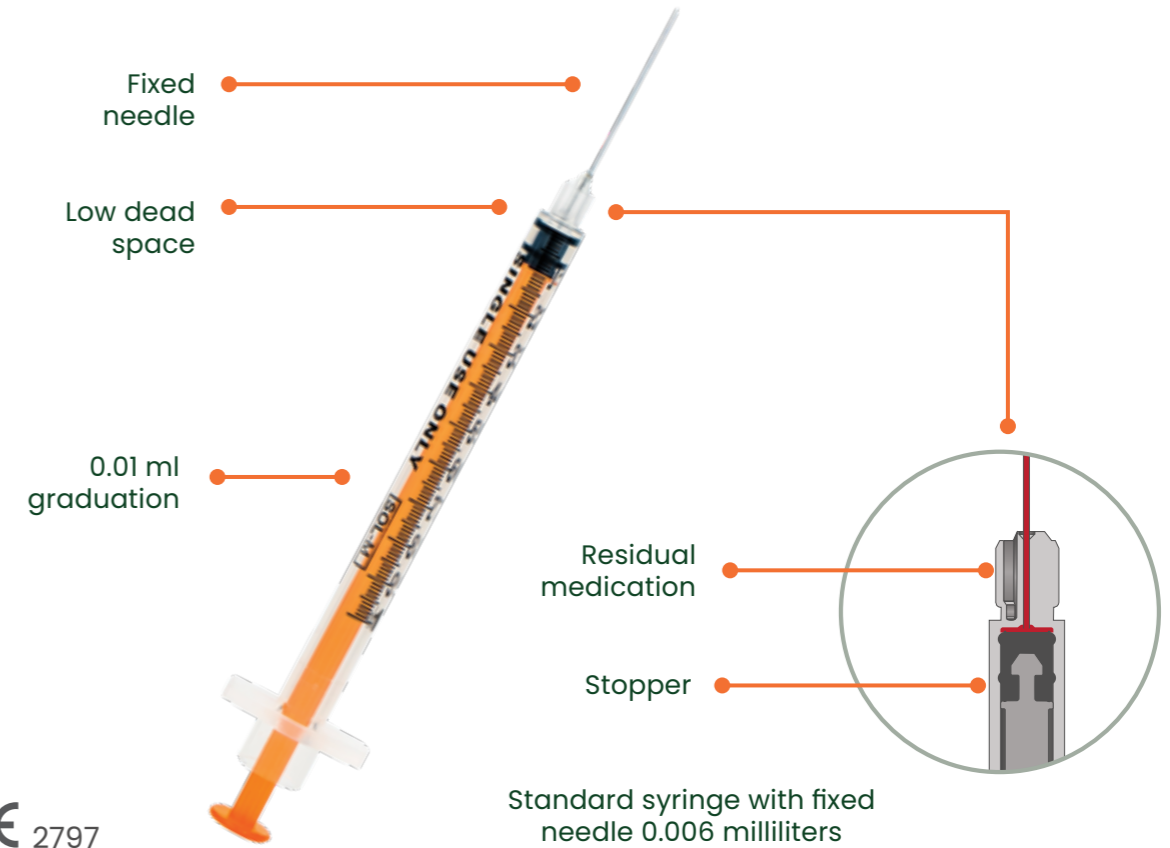
Ref. Number	Volume	Gauge	Needle Length	Average Dead Space	Box	Case
12515SN	1 ml	25 G	1 1/2"	< 0.016 ml	50	300
12510SN	1 ml	25 G	1"	< 0.016 ml	50	300
12558SN	1 ml	25 G	5/8"	< 0.016 ml	50	300
12310SN	1 ml	23 G	1"	< 0.016 ml	50	300
12315SN	1 ml	23 G	1 1/2"	< 0.016 ml	50	300

Sol-M™

Syringe with Fixed Needle

The syringe with fixed needle has been designed to reduce the medication waste by reducing the dead space. It is available with needle combinations suitable for intramuscular injection, such is the case for vaccination campaigns.

- Designed according to ISO 7886-1
- Not manufactured with Latex, PVC and DEHP



CE 2797

Intended use: Used to inject fluids into, or withdraw fluids from, the body.

Intended user: Licensed healthcare professionals (HCP).

Cautions:

- Single use device. Re-use or use if the package is damaged may lead to infection or other illness/ injury.
- Sharp object. Risk of sharp injuries.

Sol-M™ Syringe with Fixed Needle

Ref. Number	Volume	Gauge	Needle Length	Average Dead Space	Box	Case
181027	1 ml	27 G	1/2"	0.006 ml	100	800
181025	1 ml	25 G	5/8"	0.006 ml	100	800
182025	1 ml	25 G	1"	0.006 ml	100	800
181023	1 ml	23 G	1"	0.006 ml	100	800

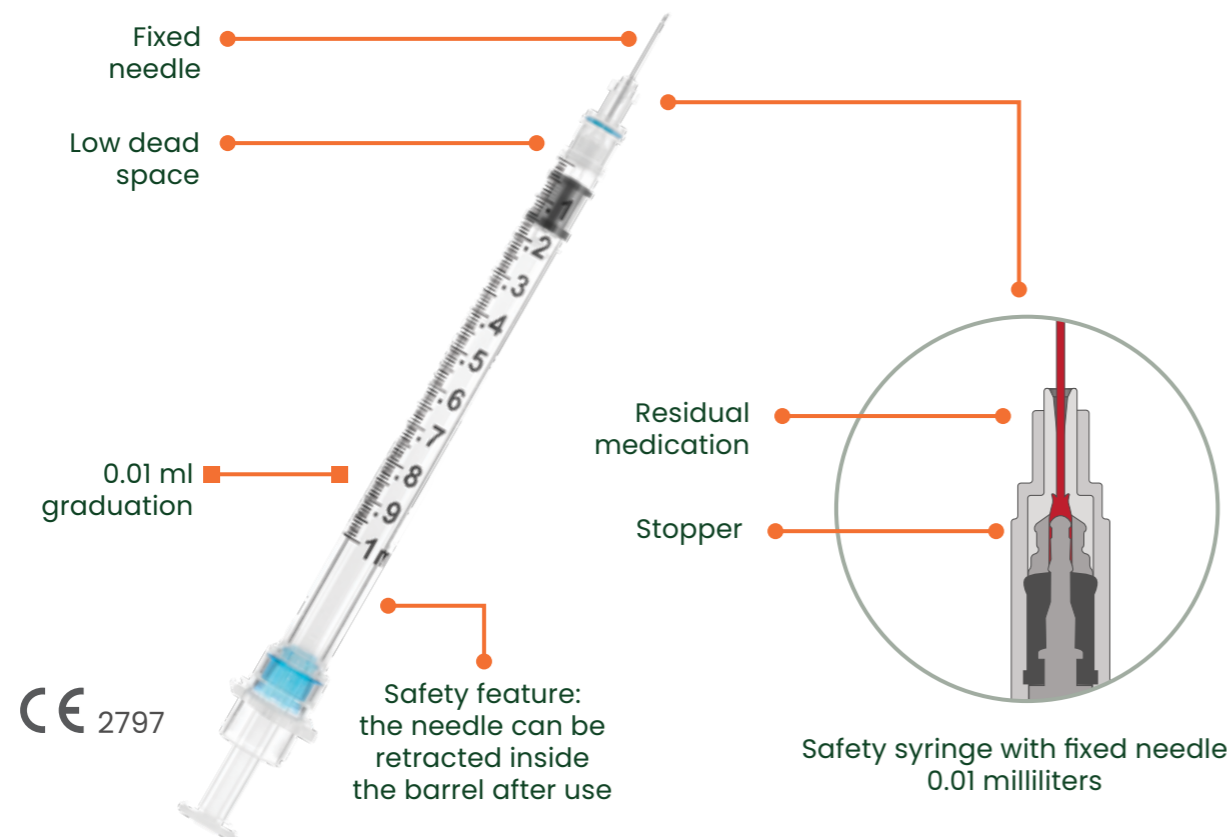
Sol-Care™



Safety Syringe with Fixed Needle

The syringe Sol-Care Safety Syringe with Fixed Needle has been designed to reduce the medication waste by reducing the dead space. It features a retracting needle design which helps to prevent the risk of needlestick injuries.

- Designed according to ISO 7886-1 and ISO 23908
- Not manufactured with Latex, PVC and DEHP



Intended use: Used to inject fluids into, or withdraw fluids from, the body. In addition, the Safety Syringe is designed to aid in the prevention of needle stick injuries.

Intended user: Licensed healthcare professionals (HCP).

Cautions:

- Consult instruction for use before using this device
- Users must be trained by a healthcare professional and follow the Instructions For Use. Failure to follow these instructions could result in serious injury to the patient and/or clinician.
- Sharp object. Risk of sharp injuries.

Sol-Care™ Safety Syringe with Fixed Needle

Ref. Number	Volume	Gauge	Needle Length	Average Dead Space	Box	Case
100018IM	1 ml	25 G	5/8"	0.01 ml	100	1000
100034IM	1 ml	25 G	1"	0.01 ml	100	1000



Sol-Millennium® provides low dead space solutions across multiple product types.

Sol-Care™ Luer Lock Syringe with Safety Needle

Safety needle with low dead space features and protective shield that pivot over the needle to cover it, helping to prevent needlestick injuries.

Attach the needle to our Sol-M™ 3-Piece Syringe with low dead space feature provided in the same pack to achieve safety and reduce the medication waste.

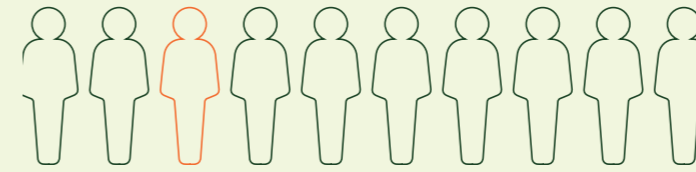
Sol-Care™ Safety Syringes

Safety syringe designed to help preventing needlestick injuries. Retract the needle into the barrel of the syringe after medication delivery, preventing the needle from being exposed.

Sol-M™ Syringes with Fixed Needle

Standard needle and syringe combination designed to reduce the medication waste by reducing the dead space in the device.

DIABETES CARE



1 in 10 adults have diabetes

The population of adults with diabetes continues to increase every year. In 2021, 537 million adults in the world have diabetes.¹ **At Sol-Millennium®, we understand there is an ever-growing need for diabetes products that are not only designed for patients, but also clinicians.**

Our diabetes product line focuses on the wellbeing of healthcare workers by providing multiple safety products that help to prevent needlestick injuries in the workplace. At the same time, we offer a range of insulin administration devices designed for use by the patient.



1. Sol-Guard™ Safety Insulin Syringe, 2. Sol-M™ Insulin Syringe with fixed needle, 3. Sol-M™ Pen Needles, 4. Sol-Care™ Safety Insulin Syringe, 5. Sol-M™ Insulin syringe without needle

Sol-M™ Standard Insulin Syringe

A standard insulin syringe that supports accurate dosing and comfortable administration

Sol-Guard™ Safety Insulin Syringe

A safety insulin syringe with a safety shield that slides over the needle, to help prevent needlestick injuries before and after medication delivery

Sol-Care™ Safety Insulin Syringe

A safety insulin syringe where the needle retracts into the barrel of the syringe after administration, as a safety feature to help prevent needlestick injuries

1. International Diabetes Federation. IDF Diabetes Atlas 2021. 10th edition. <https://diabetesatlas.org/>



Insulin Syringe

Sol-Millennium's® Insulin syringes provide accurate and comfortable insulin administration.

The Sol-Care™ and Sol-Guard™ safety insulin syringes have features which help to prevent needlestick injuries.

Features:

- Needles engineered to ensure comfortable insulin administration
- Low dead space - improved accuracy and less medication waste when compared to conventional syringes
- Bold and clear graduated insulin unit markings for accurate dosing
- Sol-Care™ - Needle retracts into the syringe barrel as a safety feature to prevent needlestick injuries
- Sol-Guard™ - Safety shield feature that slides over the needle to prevent needlestick injuries before and after medication delivery. This syringe never requires recapping.



Sol-M™ Standard Insulin Syringe

Sol-M™ Slip Tip Insulin Syringe without Needle

Sol-Care™ Safety Insulin Syringe

Sol-Guard™ Safety Insulin Syringe



Sol-M™ Standard Insulin Syringe

Ref. Number	Volume	Gauge	Needle Length (inches)	Needle Length (mm)	Box Qty	Case Qty
1633051B	0.3 ml	30G	5/16"	8 mm	100	1000
1632912B	0.3 ml	29 G	1/2"	12.5 mm	100	1000
1653151B	0.5 ml	31 G	5/16"	8 mm	100	1000
1652912B	0.5 ml	29 G	1/2"	12.5 mm	100	1000
1612912B	1 ml	29 G	1/2"	12.5 mm	100	1000
1613051B	1 ml	30 G	5/16"	8 mm	100	1000

SOL-M™ Standard Insulin Syringes are packed in inner bags of 10 pieces.

Sol-M™ Slip Tip Insulin Syringe without Needle

Ref. Number	Volume	Box Qty	Case Qty
161000	1 ml	100	800

Sol-Care™ Safety Insulin Syringe

Ref. Number	Volume	Gauge	Needle Length (inches)	Needle Length (mm)	Box Qty	Case Qty
100002IM	0.5 ml	29 G	1/2"	12.5 mm	100	1000
100089IM	0.5 ml	30 G	5/16"	8 mm	100	1000
100071IM	1 ml	28 G	1/2"	12.5 mm	100	1000
100017IM	1 ml	29 G	1/2"	12.5 mm	100	1000
100081IM	1 ml	30 G	1/2"	12.5 mm	100	1000
100020IM	1 ml	30 G	5/16"	8 mm	100	1000

Sol-Guard™ Safety Insulin Syringe

Ref. Number	Volume	Gauge	Needle Length (inches)	Needle Length (mm)	Box Qty	Case Qty
200003SG	0.3 ml	29 G	1/2"	12.5 mm	100	800
2331516SG	0.3 ml	31 G	5/16"	8 mm	100	800
200002SG	0.5 ml	29 G	1/2"	12.5 mm	100	800
2531516SG	0.5 ml	31 G	5/16"	8 mm	100	800
200017SG	1 ml	29 G	1/2"	12.5 mm	100	800





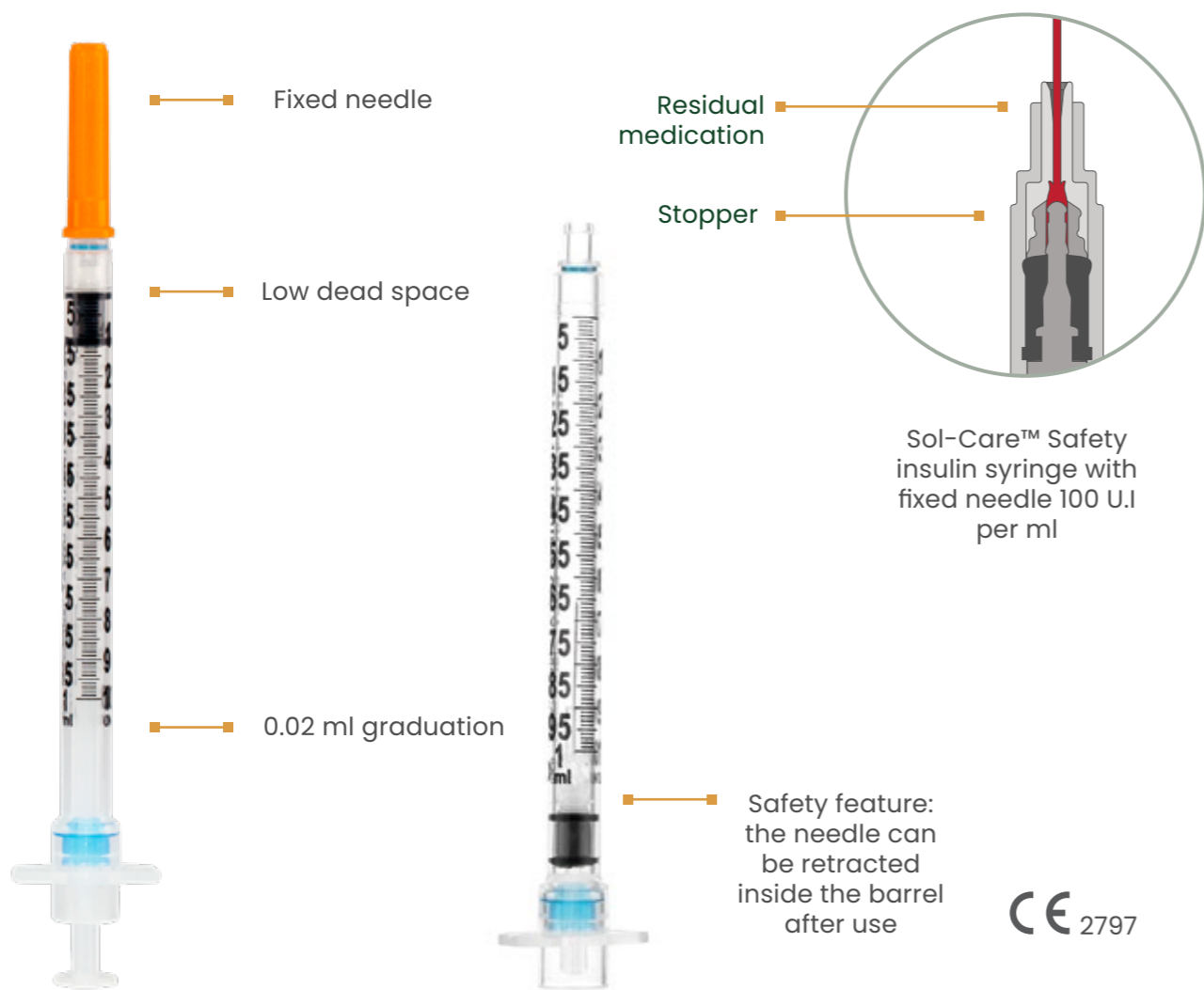
Sol - Care™



Safety Insulin Syringe

The Sol-Care™ Safety Insulin Syringe with Fixed Needle has been designed to reduce the medication waste by reducing the dead space. It features a retracting needle design which helps to prevent the risk of needlestick injuries.

- Designed according to ISO 8537 and ISO 23908
- Not manufactured with Latex, PVC and DEHP



Intended use: Used to withdraw and inject insulin into the body. In addition, the Safety Syringe is designed to aid in the prevention of needle stick injuries.

Intended user: Licensed health care professional (HCP) or self-injecting patients after proper training obtained from HCP.

Cautions:

- Consult instruction for use before using this device.
- Users must be trained by a healthcare professional and follow the Instructions For Use. Failure to follow these instructions could result in serious injury to the patient and/or clinician.
- Sharp object. Risk of sharp injuries.



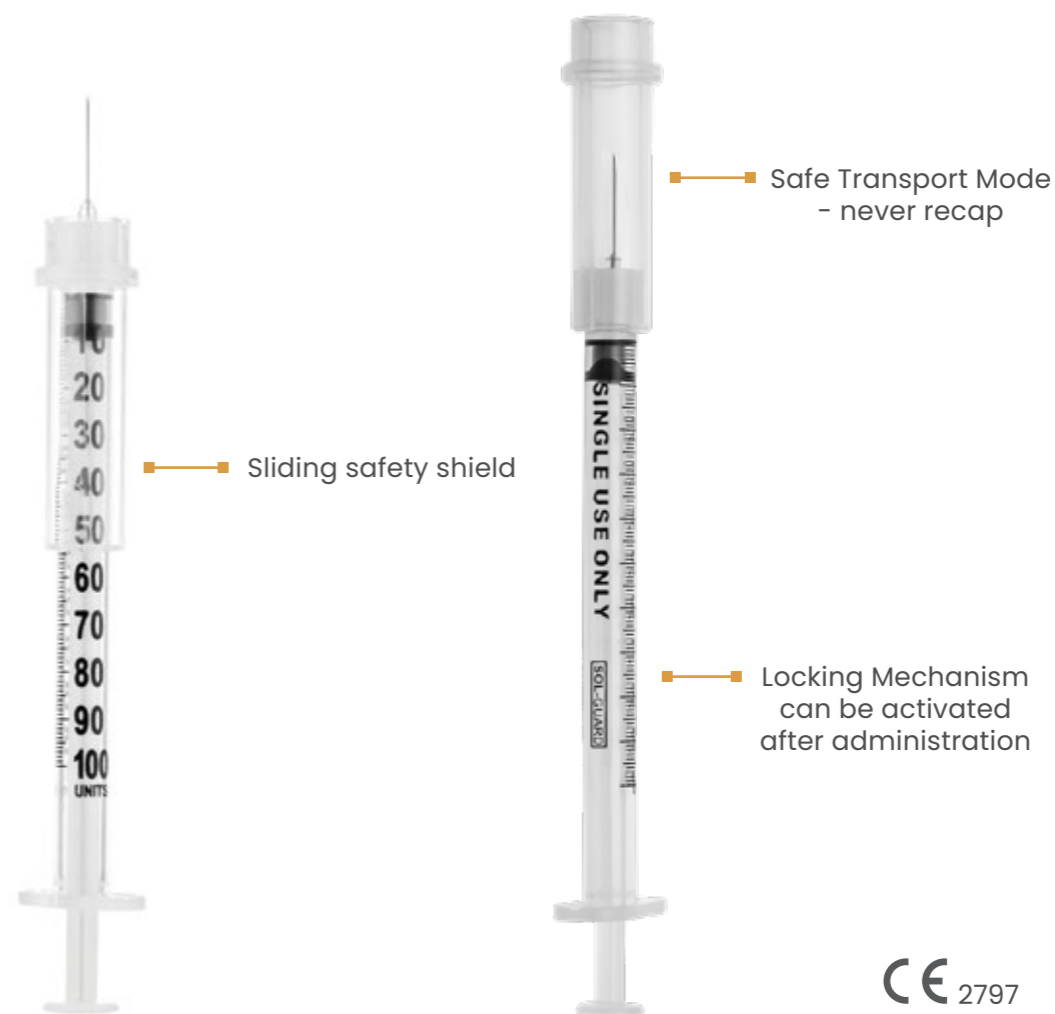
Sol - Guard™



Safety Insulin Syringe

The Sol-Guard™ Safety Insulin Syringe with Fixed Needle has been designed to reduce the medication waste by reducing the dead space. It features a transparent safety shield that slides up to cover the needle during transport and after medication delivery, reducing exposure to the needle throughout the entire injection process.

- Designed according to ISO 8537 and ISO 23908
- Not manufactured with Latex, PVC and DEHP



Intended use: Intended for the delivery of U-100 insulin. In addition, the Insulin Safety Syringe Safety Sleeve covers the needle when activated. In the activated position, the Safety Shield guards against accidental needle stick.

Intended user: Licensed health care professional (HCP) or self-injecting patients after proper training obtained from HCP.

Cautions:

- Consult instruction for use before using this device.
- Users must be trained by a healthcare professional and follow the Instructions For Use. Failure to follow these instructions could result in serious injury to the patient and/or clinician.
- Sharp object. Risk of sharp injuries.

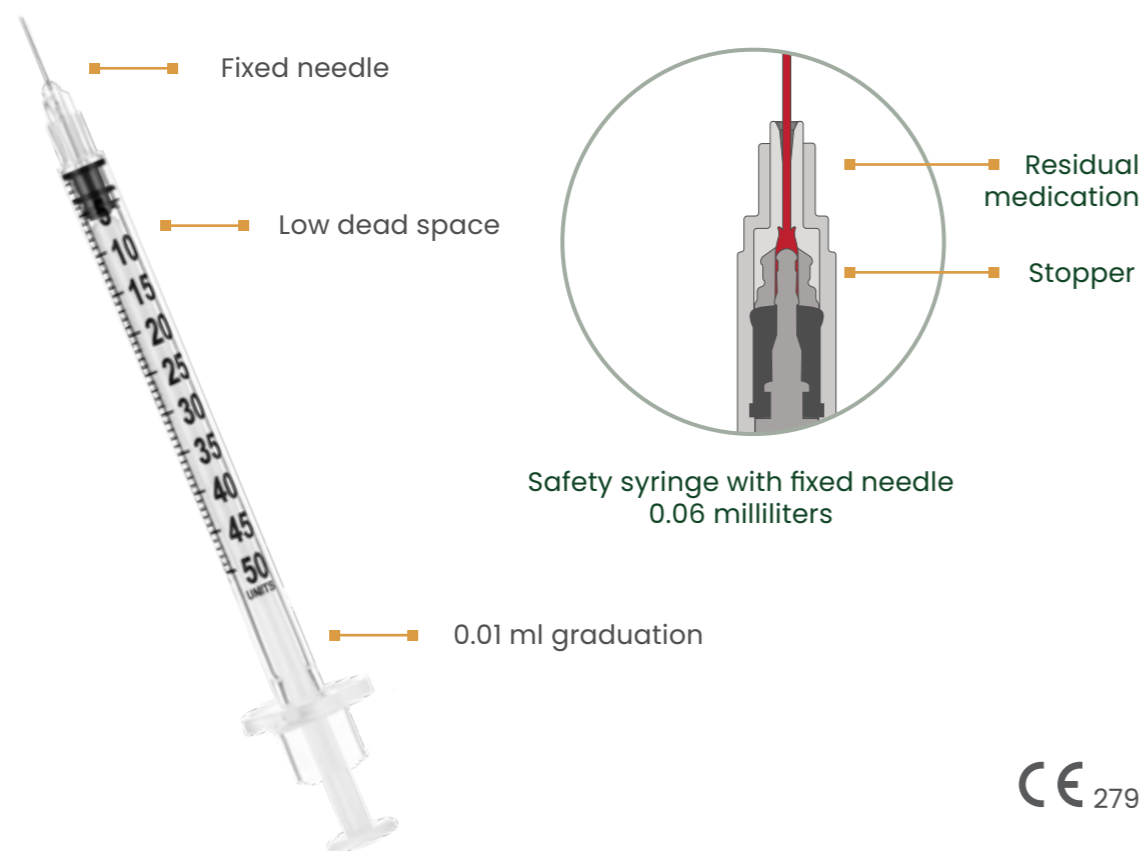


Sol - M™

Standard Insulin Syringe

The Sol-M™ Insulin Syringe with fixed needle has been designed to reduce the medication waste by reducing the dead space. SOL-M™ Standard Insulin Syringes are packed in inner bags of 10 pieces. Each syringe is self-contained sterile. They are graduated to deliver 100 IU insulin strength and are available in 30, 50 and 100 IU insulin capacities.

- Designed according to ISO 8537
- Not manufactured with Latex, PVC and DEHP



Intended use: The Insulin standard syringe with fixed needle is used to inject Insulin into the body with the calibration units of U-100.

Intended user: Licensed health care professional (HCP) or self-injecting patients after proper training obtained from HCP.

Cautions:

- Single use device. Re-use or use if the syringe is damaged or opened may lead to infection or other illness/ injury.
- Users must be trained by a healthcare professional and follow the Instructions For Use. Failure to follow these instructions could result in serious injury to the patient and/or clinician.
- Consult a healthcare provider about your medical condition and appropriate treatment. Always follow the medication manufacturer's instructions for use, contraindications, warnings and precautions.
- Before changing to a shorter needle, consult with your health care professional.
- Sharp object. Risk of sharp injuries.



Sol - M™

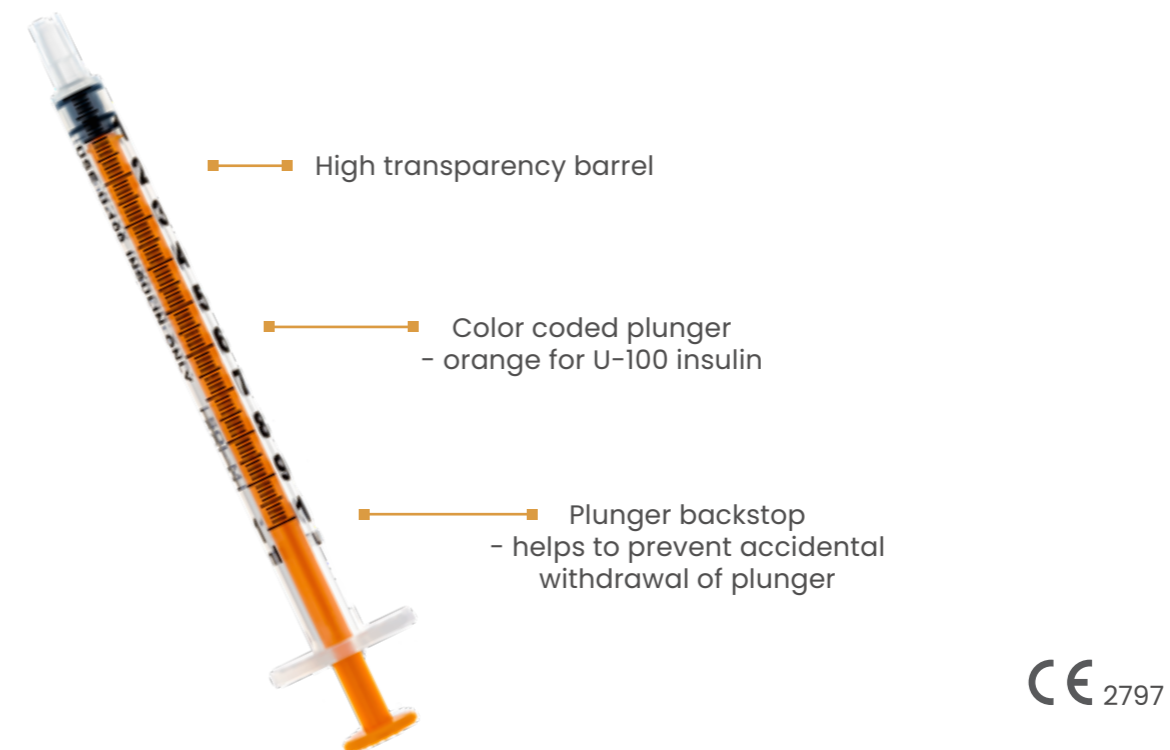
Slip Tip Insulin Syringe without Needle

The Sol-M™ Slip Tip Insulin Syringe without Needle is a sterile, single use insulin syringe, used to inject insulin into the body. Sol-M™ Slip Tip Insulin Syringe accurately measure the quantity of liquid medications (according to ISO 8537).

It can be fitted with any Sol-M™ Hypodermic Needle to address a wide variety of clinical needs.

Features:

- High-transparency barrel facilitates seeing syringe content.
- Silicone lubrication ensures smooth plunger movement
- Syringe plunger backstop - helps to prevent accidental withdrawal of plunger.
- Black graduation scale - designed to enhance contrast and readability.
- Large finger grips support clinicians' better grip control during injections
- Color coded plunger - orange for U-100 insulin
- Designed according to ISO 8537
- Not manufactured with Latex, PVC and DEHP



Intended use: The Insulin Syringe is used to inject Insulin into the body with the calibration units of U-100.

Intended user: Licensed health care professional (HCP).

Cautions:

- Single use device. Re-use or use if the package is damaged may lead to infection or other illness/ injury.



Sol-M™

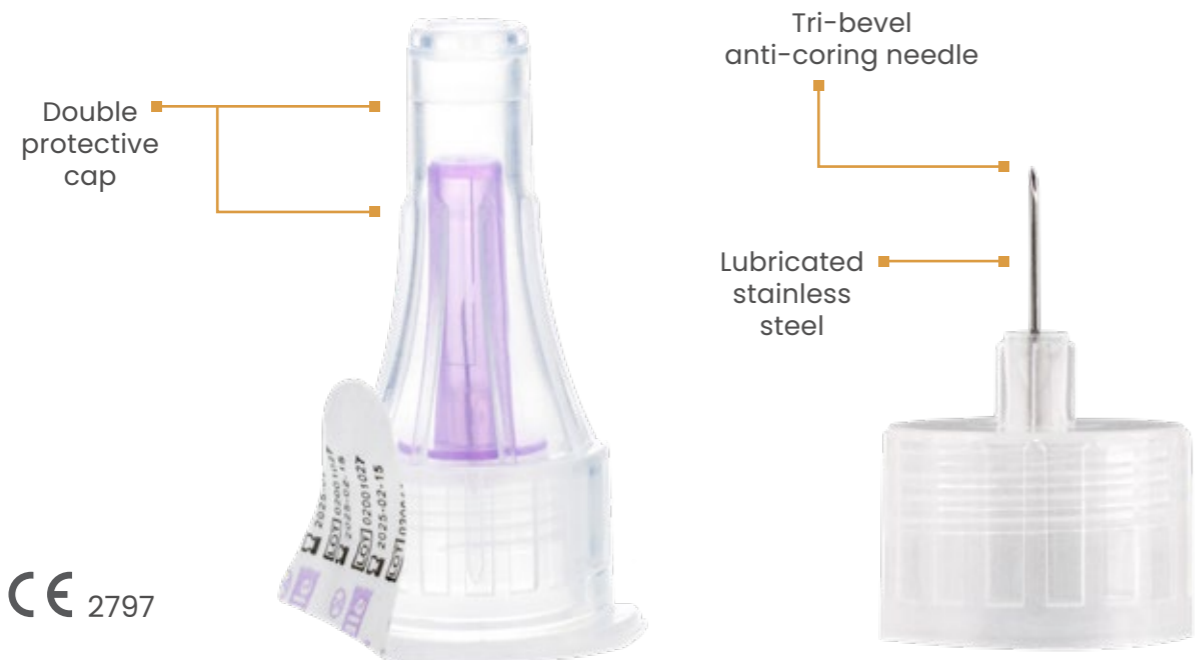
Pen Needle

Sol-M™ Pen Needles support accurate and reliable insulin delivery. They were engineered to support comfortable medication delivery with silicone oil lubrication, sharp triple bevel, and thin wall technology.

Sol-M™ Pen Needle is designed to ensure correct dose administration and is compatible with selected pen injectors verified according to ISO 11608-2.

Features:

- Double protective cap
- Tri-bevel anti-coring needle engineered to minimize discomfort
- Thin-wall needle engineered for optimal medication flow (29G–33G)
- Compatible with most injector pens
- Sizes are color-coded to facilitate identification
- Not manufactured with Latex, PVC and DEHP



Sizes are color coded for easy identification.

Intended use: Sol-M™ Pen Needle consists of a needle hub, needle, small protective cap, large protective cap and other integral parts for use with a pre-diabetic insulin pen filled with liquid insulin (such as the Novo Pen) for insulin injection.

Intended user: Healthcare professionals and the trained self-injecting patients..

Cautions:

- Consult instruction for use before using this device.
- Consult a healthcare provider about your medical condition and appropriate treatment. Always follow the medication manufacturer’s instructions for use, contraindications, warnings and precautions.
- Sharp object. Risk of sharp injuries.



Sol-M™ Pen Needles

		Needle length						
		5/32"	3/16"	15/64"	5/16"	1/2"		
		Gauges	Millimeters	4 mm	5 mm	6 mm	8 mm	12.5 mm
Needle outer diameter	33G	0.2 mm	N42008					
	32G	0.23 mm	N42007	N42009				
	31G	0.25 mm	N42005	N42004	N42002	N42003		
	30G	0.3 mm				N42001		
	29G	0.33 mm						N42006



NEEDLES

Sol-Millennium® offers a range of standard (Sol-M™) and safety engineered (Sol-Care™) hypodermic needles to help in medication preparation and delivery.



1. Sol-Care™ Safety Needle; 2. Sol-M™ Hypodermic Needle; 3. Sol-M™ Blunt Fill Needle

Safety needles were engineered to help reduce needlestick injuries and they may **decrease their number even 4 times**



Needlestick injury is a major risk for healthcare professionals utilizing needles and sharps, which puts them at risk for blood-borne pathogens. **Studies of safety needles and other safety injection devices have shown to support even a 4-fold reduction in associated needlestick injuries.¹**

Sol-Millennium's® safety and blunt fill needles help to minimize the risk of accidental needle sticks. We offer multiple types of needles and strive to offer products for various situations.

1. Tosini, William, et al. "Needlestick Injury Rates According to Different Types of Safety-Engineered Devices: Results of a French Multicenter Study." *Infection Control and Hospital Epidemiology*, vol. 31, no. 4, Apr. 2010, doi:10.1086/651301

Sol-Care™



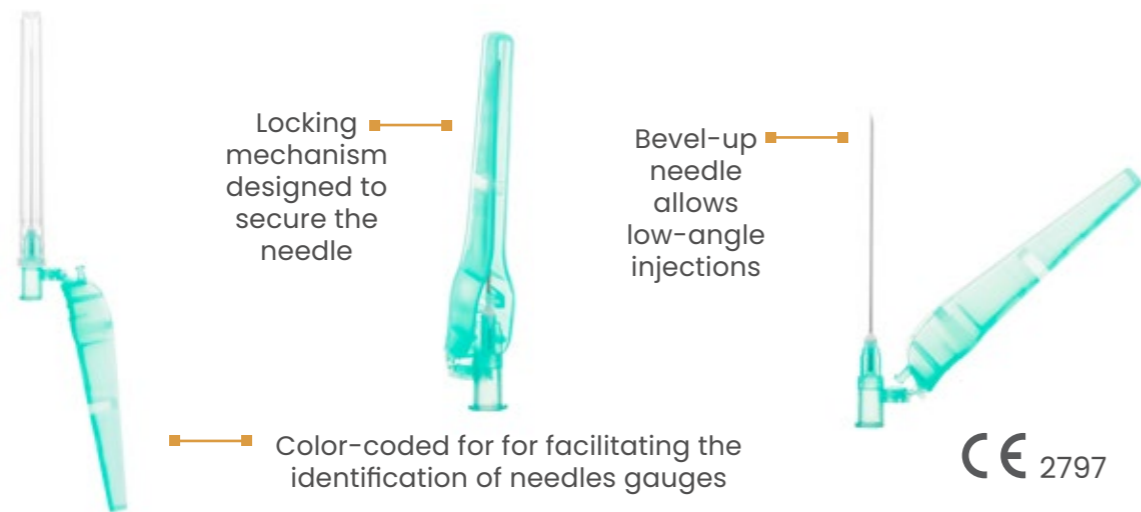
Safety Needle

Sol-Care™ Safety Needles are designed to help prevent needlestick injuries. Every needle is equipped with a pivoting safety shield mechanism that locks in place to lower the risk of accidental injury after medication administration.

There two methods of safety shield activation that help to keep hands and fingers behind and away from the needle tip for protection from a contaminated needlestick.

Features:

- Two options for protective arm activation: hard surface activation and thumb activation
- Simple one-handed safety shield mechanism
- Audible click indicates that the safety mechanism is secured and locked in place
- Hubs, protective shields, and packaging are color-coded for facilitating the identification of needles gauges (ISO 6009)
- Protective arm designed not to obstruct visualization of injection site
- Bevel-up needle allows for low-angle injections
- Compatible with all standard Luer Lock and Luer Slip Tip syringes (ISO 80369-7)
- Designed according to ISO 7864 and 23908
- Not manufactured with Latex, PVC and DEHP



Two options for protective arm activation:



Hard Surface Activation

Thumb Activation

Sol-Care™ Safety Needle

Ref. Number	Product Description	Gauge	Length (inches)	Length (mm)	Box Qty	Case Qty
SN1810	Sol-Care Safety Needle 18G x 1"	18G	1"	25 mm	100	800
SN1815	Sol-Care Safety Needle 18G x 1 1/2"	18G	1 1/2"	40 mm	100	800
SN1820	Sol-Care Safety Needle 18G x 2"	18G	2"	50 mm	100	800
SN1910	Sol-Care Safety Needle 19G x 1"	19G	1"	25 mm	100	800
SN1915	Sol-Care Safety Needle 19G x 1 1/2"	19G	1 1/2"	40 mm	100	800
SN1920	Sol-Care Safety Needle 19G x 2"	19G	2"	50 mm	100	800
SN2010	Sol-Care Safety Needle 20G x 1"	20G	1"	25 mm	100	800
SN2015	Sol-Care Safety Needle 20G x 1 1/2"	20G	1 1/2"	40 mm	100	800
SN2110	Sol-Care Safety Needle 21G x 1"	21G	1"	25 mm	100	800
SN2115	Sol-Care Safety Needle 21G x 1 1/2"	21G	1 1/2"	40 mm	100	800
SN2105	Sol-Care Safety Needle 21G x 2"	21G	2"	50 mm	100	800
SN2210	Sol-Care Safety Needle 22G x 1"	22G	1"	25 mm	100	800
SN22125	Sol-Care Safety Needle 22G x 1 1/4"	22G	1 1/4"	32 mm	100	800
SN2215	Sol-Care Safety Needle 22G x 1 1/2"	22G	1 1/2"	40 mm	100	800
SN2205	Sol-Care Safety Needle 22G x 2"	22G	2"	50 mm	100	800
SN2310	Sol-Care Safety Needle 23G x 1"	23G	1"	25 mm	100	800
SN23125	Sol-Care Safety Needle 23G x 1 1/4"	23G	1 1/4"	32 mm	100	800
SN2315	Sol-Care Safety Needle 23G x 1 1/2"	23G	1 1/2"	40 mm	100	800
SN2410	Sol-Care Safety Needle 24G x 1"	24G	1"	25 mm	100	800
SN2558	Sol-Care Safety Needle 25G x 5/8"	25G	5/8"	16 mm	100	800
SN2510	Sol-Care Safety Needle 25G x 1"	25G	1"	25 mm	100	800
SN2515	Sol-Care Safety Needle 25G x 1 1/2"	25G	1 1/2"	40 mm	100	800
SN2612	Sol-Care Safety Needle 26G x 1/2"	26G	1/2"	12.5 mm	100	800
SN2712	Sol-Care Safety Needle 27G x 1/2"	27G	1/2"	12.5 mm	100	800
SN2758	Sol-Care Safety Needle 27G x 5/8"	27G	5/8"	16 mm	100	800
SN2734	Sol-Care Safety Needle 27G x 3/4"	27G	3/4"	18.5 mm	100	800
SN27125	Sol-Care Safety Needle 27G x 1 1/4"	27G	1 1/4"	32 mm	100	800
SN2715	Sol-Care Safety Needle 27G x 1 1/2"	27G	1 1/2"	40 mm	100	800
SN3012	Sol-Care Safety Needle 30G x 1/2"	30G	1/2"	12.5 mm	100	800

Please contact your local SOL-MILLENNIUM® representative for additional sizes of the SOL-CARE™ Safety Needle.

Intended use: Sol-Care™ Safety Needle is used in conjunction with a standard syringe. This device is used for aspiration and administration of medication.

Intended user: Licensed healthcare professionals (HCP).

Cautions:

- Single use device. Re-use or use if the package is damaged may lead to infection or other illness/ injury.
- Sharp object. Risk of sharp injuries.

Sol-M™

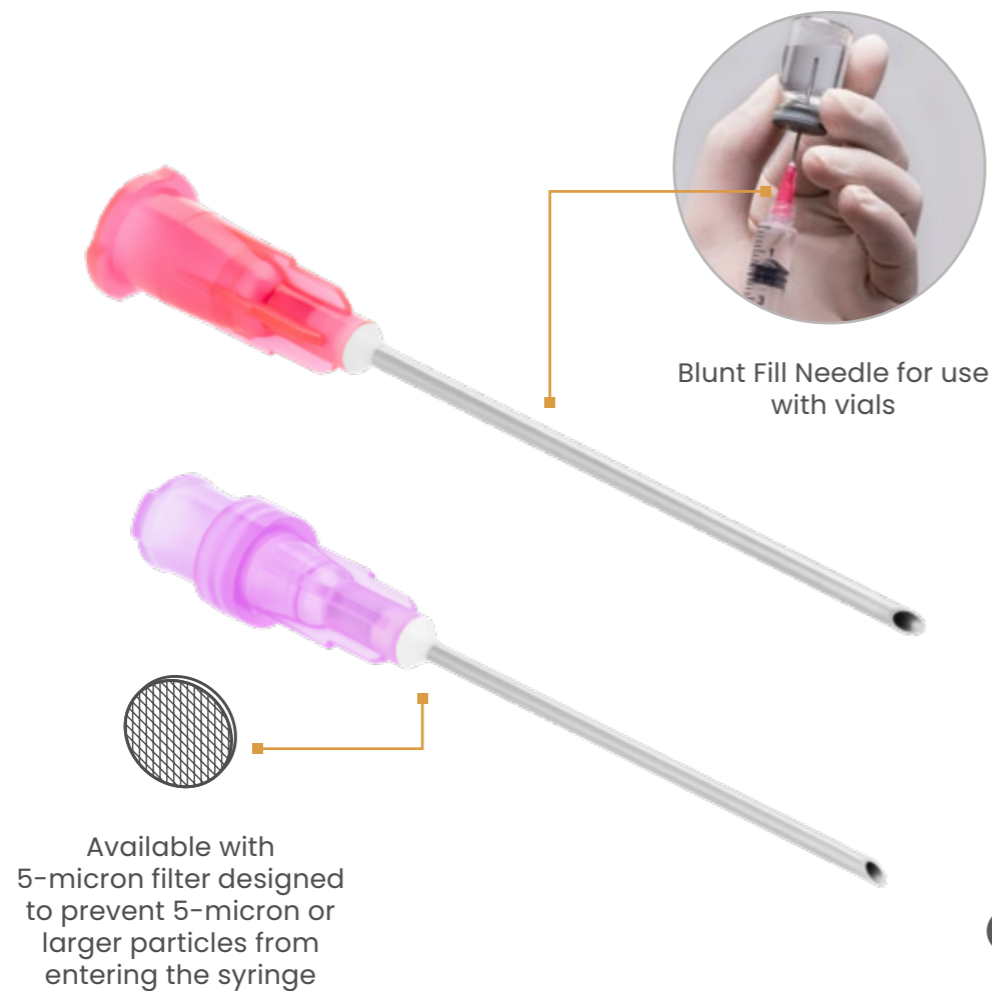
Blunt Fill Needle

Sol-M™ Blunt Fill Needles were designed to reduce the risk of needlestick injuries to healthcare workers when drawing up and preparing medication by removing sharps.

For use when drawing medication and can also be used for adding medication in needleless IV systems.

Features:

- Eliminates the unnecessary use of sharps
- Color-coded hubs for easy identification
- Needle hub is compatible with all Luer Lock and Luer Slip Tip syringes
- Available with 5-micron filter designed to restrain drawing of shattered particles when using ampoules (REF: 110022F)
- Not manufactured with Latex, PVC and DEHP



CE 2797

Sol-M™ Blunt Fill Needles

Ref. Number	Product Description	Gauge	Length (inches)	Length (mm)	Box Qty	Case Qty
110021	Sol-M Blunt Fill Needle 18G x 1"	18G	1"	25 mm	100	1000
110022	Sol-M Blunt Fill Needle 18G x 1 1/2"	18G	1 1/2"	40 mm	100	1000
110023	Sol-M Blunt Fill Needle 18G x 2"	18G	2"	50 mm	100	1000
110022F	Sol-M Blunt Fill Needle w/Filter 18G x 1 1/2"	18G	1 1/2"	40 mm	100	1000
110023F	Sol-M Blunt Fill Needle w/Filter 18G x 2"	18 G	2"	50 mm	100	1000

Please contact your local Sol-Millennium® representative for additional sizes of the Sol-M™ Blunt Fill Needle.



5-micron filter needle may be used with glass ampoules. Designed to prevent even 5-micron particles from entering the syringe.

Note: In case particle are visible in the vial or ampoule it is recommended to discard the medication to prevent injections of those particles in the patient.

Intended use: Sol-M™ Blunt Fill Needle is used in conjunction with a syringe as an additive device for aspiration from multi-dose medicine vials or injection into I.V. Systems and pre-slit septum covering injection sites.

Intended user: Licensed healthcare professionals (HCP).

Cautions:

- Single use device. Re-use or use if the package is damaged may lead to infection or other illness/ injury.
- Sharp object. Risk of sharp injuries.

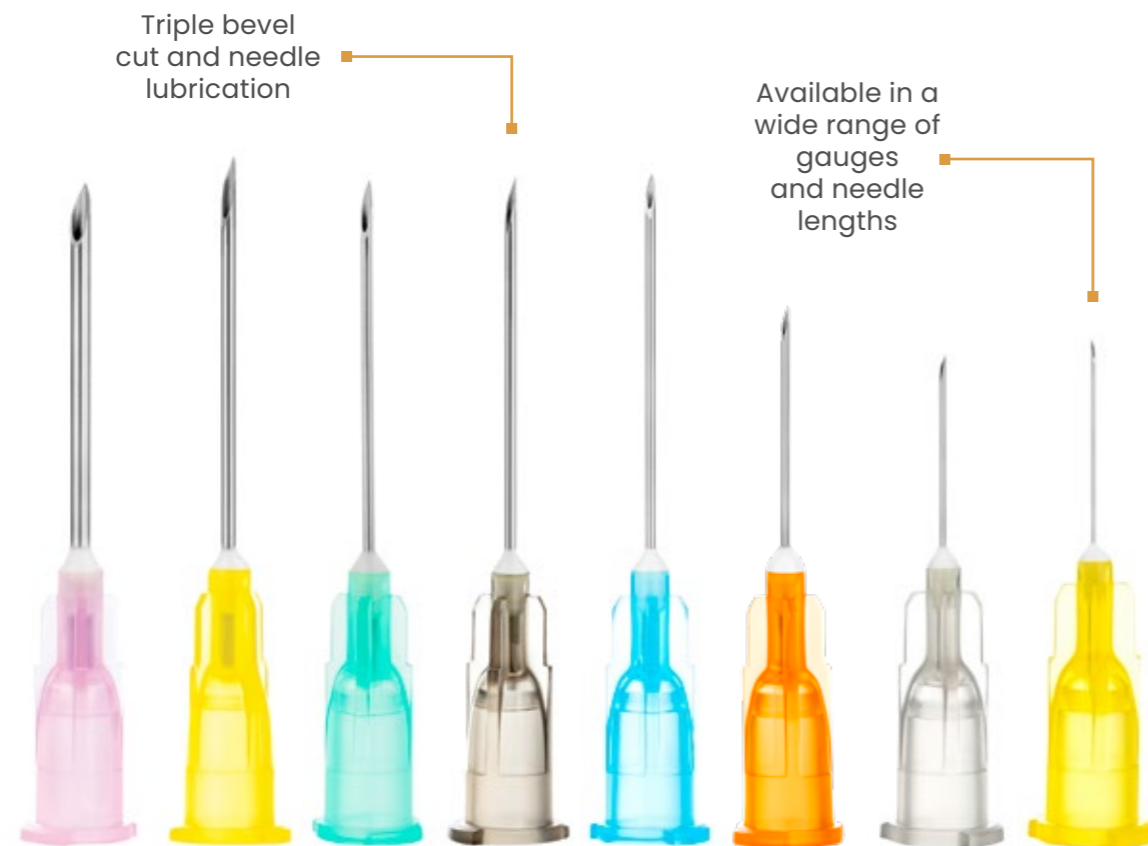
Sol-M™

Hypodermic Needle

SOL-Millennium® offers a wide range of hypodermic needles with an emphasis on ease of use and patient comfort.

Features:

- Triple-bevel lubricated stainless steel bevel engineered to minimize patient discomfort
- Color-coded hubs for facilitating gauge identification
- Compatible with all standard Luer Lock and Luer Slip Tip syringes (ISO 80369-7)
- Designed according to ISO 7864
- Not manufactured with Latex, PVC and DEHP



Color-coded and translucent hubs

CE 2797

Sol-M™ Hypodermic Needle

Ref. Number	Product Description	Gauge	Length (inches)	Length (mm)	Box Qty	Case Qty
111615	Sol-M Hypodermic Needle 16G x 1 1/2"	16G	1 1/2"	40 mm	100	1000
111810	Sol-M Hypodermic Needle 18G x 1"	18G	1"	25 mm	100	1000
111815	Sol-M Hypodermic Needle 18G x 1 1/2"	18G	1 1/2"	40 mm	100	1000
111820	Sol-M Hypodermic Needle 18G x 2"	18G	2"	50mm	100	1000
111910	Sol-M Hypodermic Needle 19G x 1"	19 G	1"	25 mm	100	1000
111915	Sol-M Hypodermic Needle 19G x 1 1/2"	19 G	1 1/2"	40 mm	100	1000
111920	Sol-M Hypodermic Needle 19G x 2"	19 G	2"	50 mm	100	1000
112010	Sol-M Hypodermic Needle 20G x 1"	20G	1"	25 mm	100	1000
112015	Sol-M Hypodermic Needle 20G x 1 1/2"	20G	1 1/2"	40 mm	100	1000
112110	Sol-M Hypodermic Needle 21G x 1"	21G	1"	25 mm	100	1000
112115	Sol-M Hypodermic Needle 21G x 1 1/2"	21G	1 1/2"	40 mm	100	1000
112120	Sol-M Hypodermic Needle 21G x 2"	21G	2"	50 mm	100	1000
112210	Sol-M Hypodermic Needle 22G x 1"	22G	1"	25 mm	100	1000
1122125	Sol-M Hypodermic Needle 22G x 1 1/4"	22G	1 1/4"	32 mm	100	1000
112215	Sol-M Hypodermic Needle 22G x 1 1/2"	22G	1 1/2"	40 mm	100	1000
112310	Sol-M Hypodermic Needle 23G x 1"	23G	1"	25 mm	100	1000
1123125	Sol-M Hypodermic Needle 23G x 1 1/4"	23G	1 1/4"	32 mm	100	1000
112410	Sol-M Hypodermic Needle 24G x 1"	24G	1"	25 mm	100	1000
112506	Sol-M Hypodermic Needle 25G x 5/8"	25G	5/8"	16 mm	100	1000
112510	Sol-M Hypodermic Needle 25G x 1"	25G	1"	25 mm	100	1000
112612	Sol-M Hypodermic Needle 26G x 1/2"	26G	1/2"	12.5 mm	100	1000
112658	Sol-M Hypodermic Needle 26G x 5/8"	26G	5/8"	16 mm	100	1000
112705	Sol-M Hypodermic Needle 27G x 1/2"	27G	1/2"	12.5 mm	100	1000
112734	Sol-M Hypodermic Needle 27G x 3/4"	27G	3/4"	18.5 mm	100	1000
112905	Sol-M Hypodermic Needle 29G x 1/2"	29G	1/2"	12.5 mm	100	1000
113005	Sol-M Hypodermic Needle 30G x 1/2"	30G	1/2"	12.5 mm	100	1000

Please contact your local SOL-MILLENNIUM® representative for additional sizes of the Sol-M™ Hypodermic Needle.

Intended use: Sol-M™ Hypodermic Needle is used to withdraw blood or other fluids from the body as well as inject medications into the body.

Intended user: Licensed healthcare professionals (HCP).

Cautions:

- Single use device. Re-use or use if the package is damaged may lead to infection or other illness/ injury.
- Sharp object. Risk of sharp injuries.

SYRINGES

Syringes are an important part of medication delivery. Sol-Millennium® manufactures a variety of syringes with several innovative features, among other:



1. Sol-M™ Syringe with fixed needle; 2. Sol-Care™ Luer Lock Safety Syringe without needle; 3. Sol-Care™ Luer Lock Safety Syringe with exchangeable Needle; 4. Sol-M™ Slip Tip Syringe; 5. Sol-M™ Luer Lock Syringe; 6. Sol-M™ Catheter Tip Syringe



Low Dead Space (LDS)

Designed to reduce waste of medication by minimizing residual liquid left in the syringe after delivery



Retracting Needle Safety Mechanism

Our Sol-Care™ safety syringes allow the needle to retract into the barrel of the syringe after medication delivery to help prevent needlestick injuries

Sol-Millennium's® safety syringes utilize effective and easy-to-use designs that help to protect healthcare workers without any complicated or expensive mechanisms. We know that simple designs are the most effective. Familiar and intuitive procedures improve clinicians' comfort and safety.

Sol-Care™



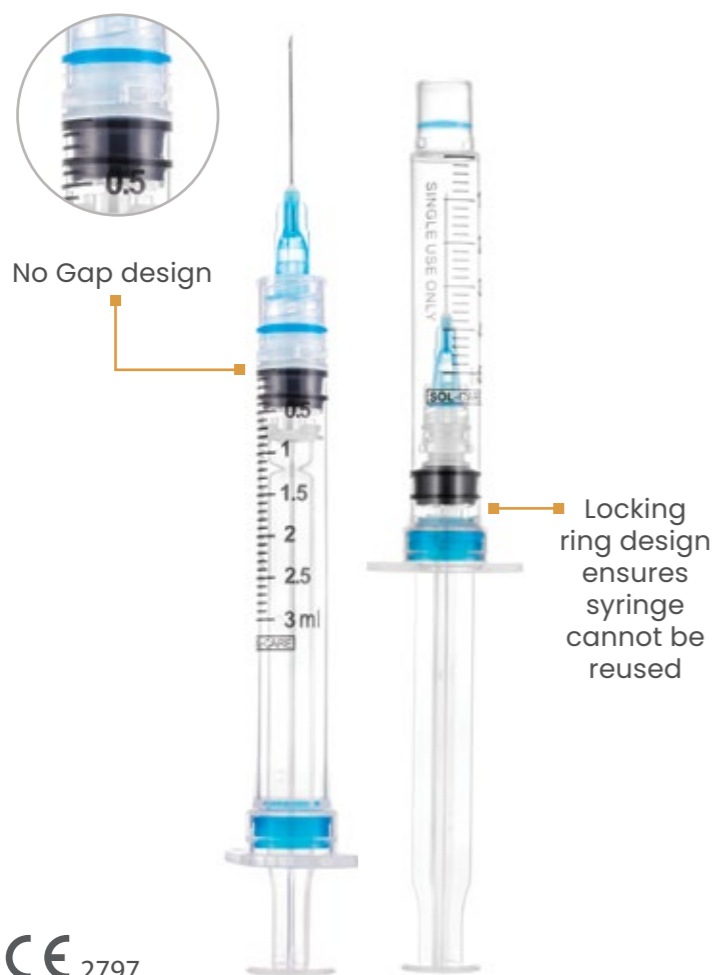
Safety Syringe with Exchangeable Needle

Sol-Care™ Safety Syringes have a manual retractable needle mechanism. The syringe aids in the prevention of needlestick injuries by allowing the user to retract the needle into the barrel after medication delivery, covering the needle and locking it in place.

Also offered without pre-attached needle.

Features:

- Compatible with Luer Lock and Luer Slip standard needles (ISO 80369-7)
- Clear, bold graduations designed for accurate dosing
- No Gap design allows the plunger to be pushed to the zero mark without activating the safety mechanism
- Safety mechanism does not obstruct the view of the needle tip
- Visual and audible confirmation of safety mechanism activation
- Patented locking ring design – the syringe cannot be reused once the needle is locked within the barrel
- Designed according to ISO 7886-1 and ISO 23908
- Not manufactured with Latex, PVC and DEHP



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Retracting the Sol-Care™ Safety Syringe:



Push



Pull



Snap

Sol-Care™ Luer Lock Safety Syringe without Needle

Ref. Number	Product Description	Volume	Box Qty	Case Qty
120006IM	Sol-Care 3ml Luer Lock Safety Syringe w/o Needle	3 ml	100	800
120007IM	Sol-Care 5ml Luer Lock Safety Syringe w/o Needle	5 ml	100	800
120008IM	Sol-Care 10ml Luer Lock Safety Syringe w/o Needle	10 ml	100	800
120009IM	Sol-Care 20ml Luer Lock Safety Syringe w/o Needle	20 ml	50	600

Sol-Care™ Luer Lock Safety Syringe with Exchangeable Needle

Ref. Number	Product Description	Volume	Gauge	Needle Length (inches)	Needle Length (mm)	Box Qty	Case Qty
100076IM	Sol-Care 3ml Luer Lock Safety Syringe w/ Exch Needle 22G x 1 1/2	3 ml	22 G	1 1/2"	40 mm	100	800
100077IM	Sol-Care 3ml Luer Lock Safety Syringe w/ Exch Needle 23G x 1	3 ml	23 G	1"	25 mm	100	800
140076IM	Sol-Care 5ml Luer Lock Safety Syringe w/ Exch Needle 22G x 1 1/2	5 ml	22 G	1 1/2"	40 mm	100	1200
140072IM	Sol-Care 5ml Luer Lock Safety Syringe w/ Exch Needle 21G x 1 1/2	5 ml	21 G	1 1/2"	40 mm	100	1200
140077IM	Sol-Care 5ml Luer Lock Safety Syringe w/ Exch Needle 23G x 1	5 ml	23 G	1"	25 mm	100	1200
160072IM	Sol-Care 10ml Luer Lock Safety Syringe w/ Exch Needle 21G x 1 1/2	10 ml	21 G	1 1/2"	40 mm	100	1200
160076IM	Sol-Care 10ml Luer Lock Safety Syringe w/ Exch Needle 22G x 1 1/2	10 ml	22 G	1 1/2"	40 mm	100	1200
190072IM	Sol-Care 20ml Luer Lock Safety Syringew/ Exch Needle 21G x 1 1/2	20ml	21G	1 1/2"	40 mm	50	600

Intended use: Used to inject fluids into, or withdraw fluids from, the body.

Intended user: Licensed healthcare professionals (HCP).

Cautions:

- Single use device. Re-use or use if the package is damaged may lead to infection or other illness/ injury.
- Sharp object. Risk of sharp injuries.



Sol-Care™



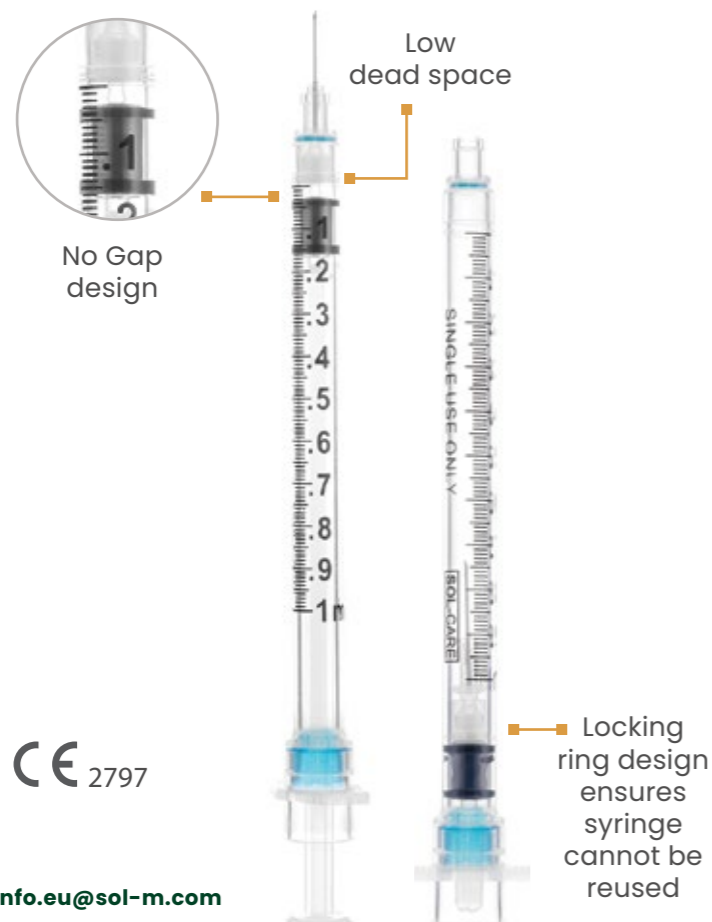
Safety Syringe with Fixed Needle

Sol-Care™ Safety Syringes are equipped with a fixed needle and aid in the prevention of needlestick injuries with a manual retractable needle mechanism.

The safety mechanism is activated when the user pulls the needle into the barrel of the syringe after medication delivery. This action covers the needle and locks it in place, preventing reuse and lowering the risk of needlestick injuries.

Features:

- Low Dead Space design helps medication delivery by reducing the amount of waste
- Convenient injection solution for key therapeutic areas, such as allergy and immunization
- Clear, bold graduations for facilitating accurate dosing
- No Gap design allows the plunger to be pushed to the zero mark without activating the safety mechanism
- Safety mechanism does not obstruct the view of the needle tip
- Visual and audible confirmation of safety mechanism activation
- Patented locking ring design – the syringe cannot be reused once the needle is locked within the barrel
- Designed according to ISO 7886-1 and ISO 23908
- Not manufactured with Latex, PVC and DEHP



Retracting the Sol-Care™ Safety Syringe:



Sol-Care™ Safety Syringe with Fixed Needle

Ref. Number	Product Description	Volume	Gauge	Needle Length (inches)	Needle Length (mm)	Box Qty	Case Qty
100018IM	Sol-Care 1ml Safety Syringe w/ Fixed Needle 25G x 5/8	1 ml	25 G	5/8"	16 mm	100	1000
100034IM	Sol-Care 1ml Safety Syringe w/ Fixed Needle 25G x 1	1 ml	25 G	1"	25 mm	100	1000
100070IM	Sol-Care 1ml Safety Syringe w/ Fixed Needle 26G x 3/8 IDB	1 ml	26 G	3/8"	10 mm	100	1000
100019IM	Sol-Care 1ml Safety Syringe w/ Fixed Needle 27G x 1/2	1 ml	27 G	1/2"	12.5 mm	100	1000
100067IM	Sol-Care 1ml Safety Syringe w/ Fixed Needle 28G x 1/2	1 ml	28 G	1/2"	12.5 mm	100	1000
100082IM	Sol-Care 1ml Safety Syringe w/ Fixed Needle 30G x 1/2	1 ml	30 G	1/2"	12.5 mm	100	1000

Intended use: The Safety Syringe is used to inject fluids into, or withdraw fluids from, the body. In addition, the Safety Syringe is designed to aid in the prevention of needle stick injuries.

Intended user: Licensed healthcare professionals (HCP).

Cautions:

- Consult instruction for use before using this device
- Users must be trained by a healthcare professional and follow the Instructions For Use. Failure to follow these instructions could result in serious injury to the patient and/or clinician.
- Sharp object. Risk of sharp injuries.



Sol-Care™

Syringe with Safety Needle

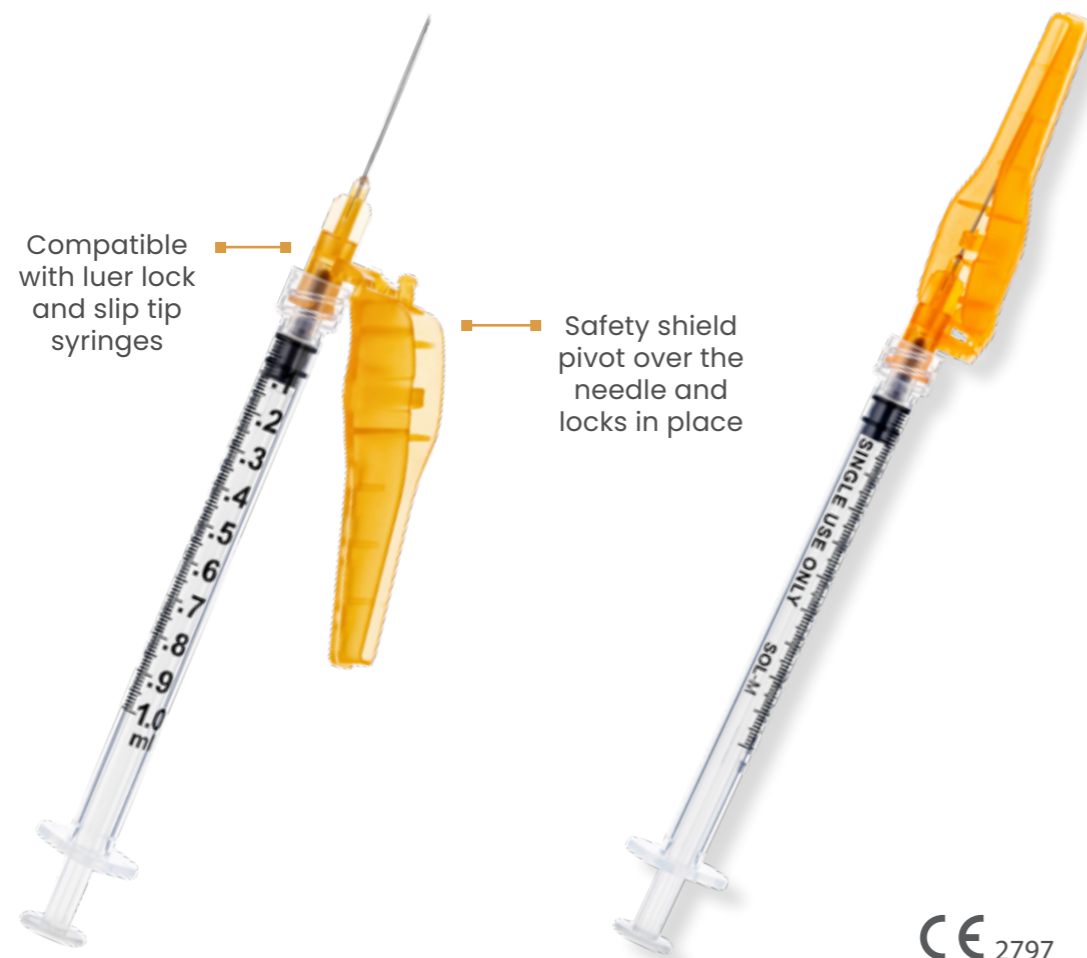


Our Sol-Care™ Safety Needles are compatible with standard Luer Lock and Luer Slip Tip syringes (ISO 80369-7). They are a recommended pairing with our standard 3-piece syringe. These safety needle and syringes come in a wide variety of combinations for every situation.

These safety needle and syringe combinations are placed side-by-side within the blister pack for clinician convenience in drawing up and administering medications.

Features:

- One-handed activation of the safety shield that can be done with your thumb or on a hard surface
- Color-coded safety shield and hub for facilitating identification of needle size
- Bevel up needle for low-angle injections without interference by the safety shield
- LDS Syringes and needles are designed to reduce waste of fluids and thus may allow obtaining a complete number of doses from each vial
- Designed according to ISO 7886-1, ISO 7864 and ISO 23908
- Not manufactured with Latex, PVC and DEHP



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Sol-Care™ 1ml Luer Lock Syringe with Safety Needle combo - Low Dead Space

Ref. Number	Needle gauge	Needle Length	Avarage dead space	Box Qty	Case Qty
12515SN	25 G	40 mm 1 1/2"	17 microliters	50	300
12510SN	25 G	25 mm 1"	16 microliters	50	300
12558SN	25 G	16 mm 5/8"	16 microliters	50	300
12310SN	23 G	25 mm 1"	17 microliters	50	300

Additional needle length and syringe capacity combinations, with and without low dead space feature, are available on request.

Intended use: Used to inject fluids into, or withdraw fluids from, the body.

Intended user: Licensed healthcare professionals (HCP).

Cautions:

- Single use device. Re-use or use if the package is damaged may lead to infection or other illness/ injury.
- Sharp object. Risk of sharp injuries.



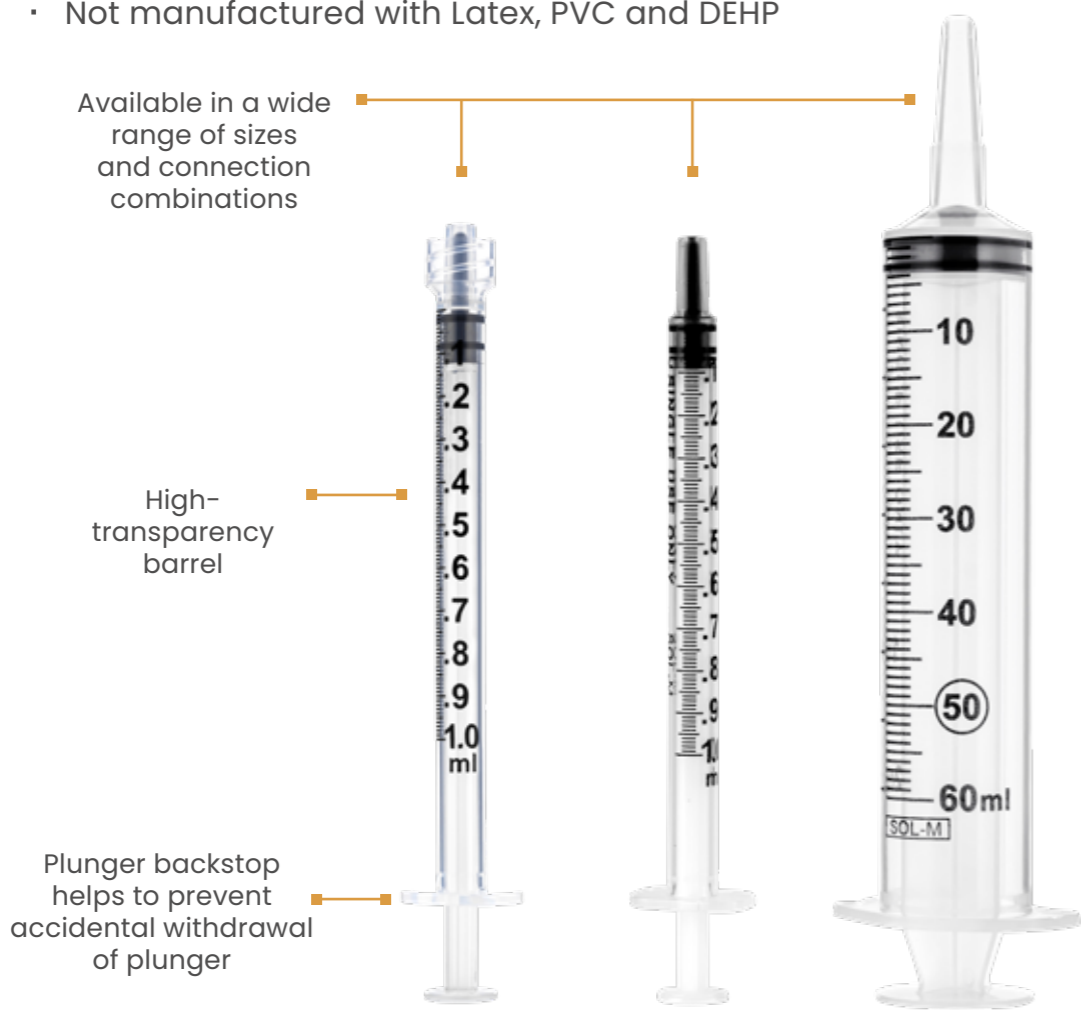
Sol-M™

3-piece Syringe without needle

Sol-M™ 3-Piece Syringes accurately measure the quantity of liquid medications (according to ISO 7886-1) and are available in a wide range of sizes and connection combinations to address a wide variety of clinical needs.

Features:

- High-transparency barrel facilitates seeing syringe content
- Silicone lubrication ensures smooth plunger movement
- Syringe plunger backstop – helps to prevent accidental withdrawal of plunger
- Black graduation scale – designed to enhance contrast and readability
- Available in Luer Lock, Luer Slip Tip, and Catheter Tip options
- Large finger grips support clinicians' better grip control during injections
- Designed according to ISO 7886-1
- Not manufactured with Latex, PVC and DEHP



Luer Lock Syringe without needle

Luer Slip Tip Syringe without needle

Catheter Tip Syringe



Capacity	Luer Lock Tip	Luer Slip Tip	Eccentric Tip	Catheter Tip
1 ml	P180001PP* 180001** P180001***	P180011 P180011LDS*		
3 ml	P180003	P180003ST		
5 ml	P180005	P180005ST		
10 ml	P180010	P180010ST	P180010ET	
20 ml	P180020	P180020ST	P180020ET	
30 ml	P180030			
60 ml	P180060		P180060ET	180060CT
100 ml				180100CT

*Syringe with Low Dead Space feature (polypropylene barrel), **Polycarbonate barrel, ***Polypropylene barrel

Intended use:

The Standard Syringe without Needle is used to inject fluids into, or withdraw fluids from, the body.

The Catheter Tip Syringe is used to irrigate, withdraw fluid from, or instill fluid into, a body cavity or wound.

Intended user: Licensed healthcare professionals (HCP).

Cautions:

- Single use device. Re-use or use if the package is damaged may lead to infection or other illness/ injury.

Sol-M™ Luer Lock Syringe without Needle 3-Piece Syringe

Ref. Number	Volume	Box Qty	Case Qty
P180001PP*	1 ml	100	800
180001**	1 ml	100	800
P180001***	1 ml	100	800
P180003	3 ml	100	800
P180005	5 ml	100	800
P180010	10 ml	100	1200
P180020	20 ml	100	800
P180030	30 ml	50	400
P180060	60 ml	30	240

*Low Dead Space feature (polypropylene barrel), **Polycarbonate barrel, ***Polypropylene barrel

Sol-M™ Slip Tip Syringe without Needle 3-Piece Syringe - Luer Slip

Ref. Number	Volume	Box Qty	Case Qty
P180011	1 ml	100	800
P180011LDS*	1 ml	100	800
P180003ST	3 ml	100	800
P180005ST	5 ml	100	800
P180010ST	10 ml	100	1200
P180020ST	20 ml	100	800

* Low Dead Space feature

Sol-M™ Slip Tip Syringe without Needle 3-Piece Syringe - Eccentric Tip

Ref. Number	Volume	Box Qty	Case Qty
P180010ET	10 ml	100	1200
P180020ET	20 ml	100	800
P180060ET	60 ml	30	240

Sol-M™ Catheter Tip Syringe 3-Piece Syringe - Catheter Tip

Ref. Number	Volume	Box Qty	Case Qty
180060CT	60 ml	30	240
180100CT	100 ml	30	60

Sol-M™ Luer Lock Syringe without Needle - Tray

Ref. Number	Volume	Tray Qty	Case Qty
180001T	1 ml	25	1000
180001TPC	1 ml	25	1000



Sol-Ject™

● Disposable Sterile Syringe

Sol-Ject™ Disposable sterile syringe is a sterile, single-use, standard 3-piece piston hypodermic syringe.

Features:

- High-transparency barrel – facilitates seeing syringe content.
- Safe plunger backstop – helps to prevent accidental withdrawal of plunger.
- Black graduation scale – designed to enhance contrast and readability.
- Silicone lubrication facilitates easier plunger movement
- Designed according to ISO 7886-1
- Not manufactured with Latex, PVC and DEHP



Sol-Ject™ Disposable sterile syringe

Ref. Number	Volume	Connection	Box Qty	Case Qty
SJ180002ST	2 ml	Luer Slip Centric	350	2800
SJ180003ST	3 ml	Luer Slip Centric	350	2800
SJ180005ST	5 ml	Luer Slip Centric	250	2000
SJ180010ST	10 ml	Luer Slip Centric	150	1200
SJ180010ET	10ml	Luer Slip Eccentric	150	1200
SJ180020ET	20 ml	Luer Slip Eccentric	100	600
SJ180050ET	50 ml	Luer Slip Eccentric	600	240



Intended use: Intended to be used for medical purposes to inject fluid into or withdraw fluid from body.

Intended user: Licensed healthcare professionals (HCP).

Cautions:

- Do not use the syringes with ripped packaging. Destroy after usage. Do not use with paraldehyde.

Manufactured for Sol-Millennium Europe Sp z o.o by SET MEDIKAL SAN. VE TIC. A.S. OSMANGAZI MAH. MARESAL FEVZI CAKMAK CAD. NO. 18, 34522 ESENYURT, ISTANBUL, TURKIYE

Sol-M™

3-piece syringe with needle

Sol-M™ 3-Piece Syringes accurately measure the quantity of liquid medications (according to ISO 7886-1). They are available with needle combination to address a variety of clinical needs.

Features:

- High-transparency barrel facilitates seeing syringe content.
- Silicone lubrication ensures smooth plunger movement
- Syringe plunger backstop – helps to prevent accidental withdrawal of plunger.
- Black graduation scale – designed to enhance contrast and readability.
- Large finger grips support clinicians’ better grip control during injections
- Designed according to ISO 7886-1
- Not manufactured with Latex, PVC and DEHP



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Sol-M™ Slip Tip Syringe with Exchangeable Needle

Sol-M™ Syringe with Fixed Needle

Sol-M™ Slip Tip Syringe with Exchangeable Needle - Luer Slip

Ref. Number	Volume	Gauge	Needle Length (inches)	Needle Length (mm)	Box Qty	Case Qty
181025S	1 ml	25G	5/8"	16 mm	100	800

Sol-M™ Syringe with Fixed Needle

Ref. Number	Volume	Gauge	Needle Length (inches)	Needle Length (mm)	Box Qty	Case Qty
181027	1 ml	27G	1/2"	12.5 mm	100	800
182025	1ml	25G	1"	25 mm	100	800
181023	1ml	23G	1"	25 mm	100	800

Intended use: The Standard Syringe with Needle is used to inject fluids into, or withdraw fluids from, the body.

Intended user: Licensed healthcare professionals (HCP).

Cautions:

- Single use device. Re-use or use if the package is damaged may lead to infection or other illness/ injury.
- Sharp object. Risk of sharp injuries.

● Allergy Syringe Trays

Sol-Millennium's Allergy Syringes are designed for injection of small doses of medication (up to 1 ml).

They have transparent barrels with bold, easy to read graduations, designed to facilitate seeing syringe content and enhance contrast and readability. They feature a low dead space design which helps medication delivery by reducing the amount of waste and are packaged in sterile convenience trays.

Features:

- Low Dead Space design which helps medication delivery by reducing the amount of waste
- Clear, bold graduations to support accurate filling and dosing
- Sterile trays help providing multiple syringes immediately available for use, reducing the amount of individual packaging to be opened
- Needles with bevel cut designed to help intradermal injection Intradermal Bevel (IDB) on select products
- Designed according to ISO 7886-1
- Not manufactured with Latex, PVC and DEHP



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Sol-M™ Allergy Syringe

Ref. Number	Product Description	Volume	Gauge	Needle Length	Tray Qty	Case Qty
181023T	Sol-M 1ml Mixing Syringe Tray 23G x 1/2"	1 ml	23 G	1/2"	25	1000
181026IDBT	Sol-M 1ml Allergy Syringe Tray 26G x 3/8" IDB*	1 ml	26 G	3/8"	25	1000
181026T	Sol-M 1ml Allergy Syringe Tray 26G x 1/2"	1 ml	26 G	1/2"	25	1000
181126IDBT	Sol-M 1ml Allergy Syringe Tray 26G x 1/2" IDB*	1 ml	26 G	1/2"	25	1000
181027IDBT	Sol-M 1ml Allergy Syringe Tray 27G x 3/8" IDB*	1 ml	27 G	3/8"	25	1000
181027T	Sol-M 1ml Allergy Syringe Tray 27G x 1/2"	1 ml	27 G	1/2"	25	1000

*Intradermal Bevel = IDB

Sol-Care™ Safety Syringe Allergy Tray

Ref. Number	Product Description	Volume	Gauge	Needle Length	Tray Qty	Case Qty
100069IM	Sol-Care 1ml Safety Syringe Allergy Tray 26G x 3/8" IDB*	1 ml	26 G	3/8"	25	1000
100032IM	Sol-Care 1ml Safety Syringe Allergy Tray 27G x 1/2"	1 ml	27 G	1/2"	25	1000

*Intradermal Bevel = IDB

Intended use: The Standard Syringe with Needle is used to inject fluids into, or withdraw fluids from, the body.

Intended user: Licensed healthcare professionals (HCP).

Cautions:

- Single use device. Re-use or use if the package is damaged may lead to infection or other illness/ injury.
- Sharp object. Risk of sharp injuries.

Oral Dispensing Syringe

The Sol-M™ syringe has been specifically designed for use with oral medications, utilizing a special tip that will not accept Luer connectors, aimed at preventing medication errors and the accidental intravenous injections of oral liquids.

Features:

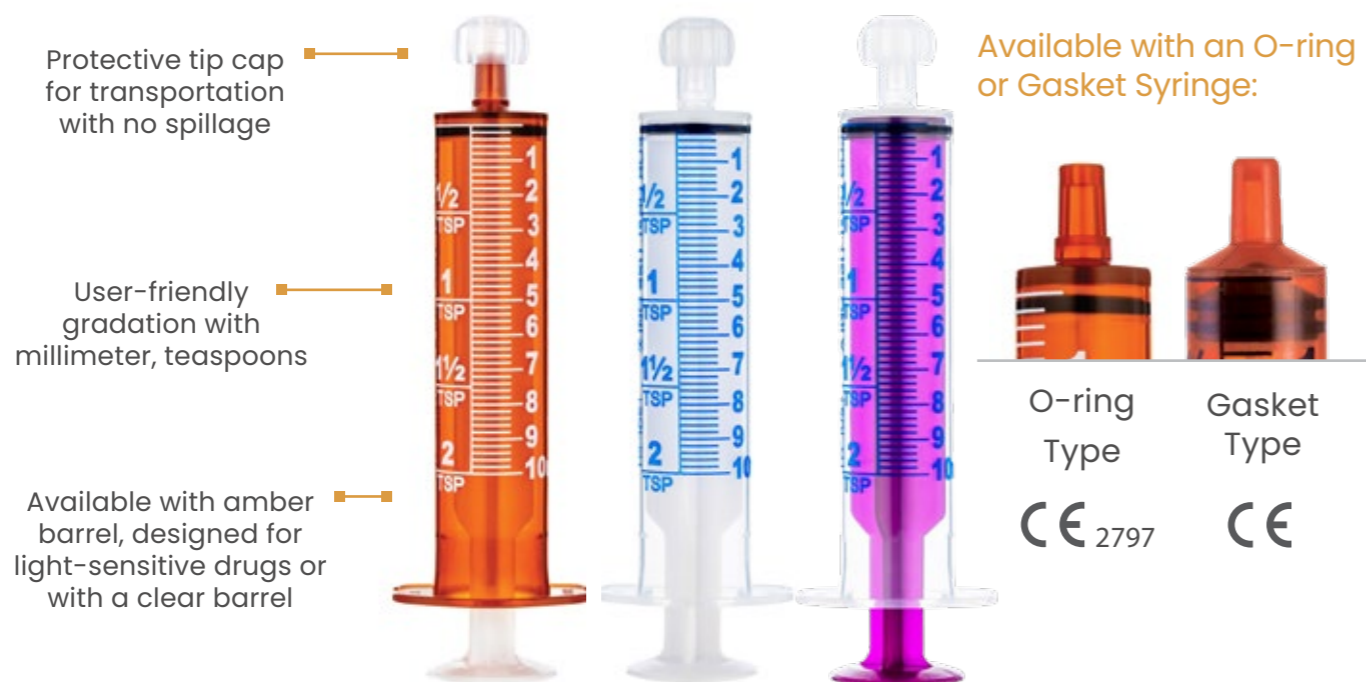
- 3-piece syringe with O-ring and gasket
- Large variety of sizes and colors
- Clear graduation markings to support accurate medication delivery
- Not manufactured with Latex, PVC and DEHP
- Special tip design will not accept Luer connectors
- Optional amber barrel designed for light-sensitive drugs

Intended use: The Oral Dispensing Syringe is intended for the delivery of oral liquid medication.

Intended user: Licensed healthcare professionals (HCP) or home caregivers.

Cautions:

- Single use device. Re-use or use if the package is damaged may lead to infection or other illness/ injury.
- This device is to be used for oral medication delivery only.
- This device will not accept a hypodermic needle.



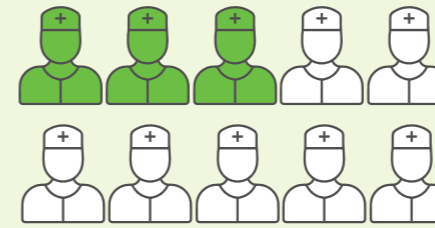
Sol-M™ Oral Dispensing Syringe – O-ring Type

Ref. Number	Product Description	Colour	Volume	Box Qty	Case Qty
21001OA	Sol-M 1ml Oral Dispensing Syringe Amber w/ Tip Cap	Amber	1 ml	100	400
21001OC	Sol-M 1ml Oral Dispensing Syringe Clear w/ Tip Cap	Clear	1 ml	100	400
21001OP	Sol-M 1ml Oral Dispensing Syringe Purple w/ Tip Cap	Purple	1 ml	100	400
21003OA	Sol-M 3ml Oral Dispensing Syringe Amber w/ Tip Cap	Amber	3 ml	100	400
21003OC	Sol-M 3ml Oral Dispensing Syringe Clear w/ Tip Cap	Clear	3 ml	100	400
21003OP	Sol-M 3ml Oral Dispensing Syringe Purple w/ Tip Cap	Purple	3 ml	100	400
21005OA	Sol-M 5ml Oral Dispensing Syringe Amber w/ Tip Cap	Amber	5 ml	100	400
21005OC	Sol-M 5ml Oral Dispensing Syringe Clear w/ Tip Cap	Clear	5 ml	100	400
21005OP	Sol-M 5ml Oral Dispensing Syringe Purple w/ Tip Cap	Purple	5 ml	100	400
20010OA	Sol-M 10ml Oral Dispensing Syringe Amber w/ Tip Cap	Amber	10 ml	100	400
21010OC	Sol-M 10ml Oral Dispensing Syringe Clear w/ Tip Cap	Clear	10 ml	100	400
21010OP	Sol-M 10ml Oral Dispensing Syringe Purple w/ Tip Cap	Purple	10 ml	100	400
21020OP	Sol-M 20ml Oral Dispensing Syringe Purple w/ Tip Cap	Purple	20 ml	50	400

Sol-M™ Oral Dispensing Syringe – Gasket Type

Ref. Number	Product Description	Colour	Volume	Box Qty	Case Qty
21001GANSB	SOL-M 1ml Oral Dispensing Syringe Amber w/ Tip Cap (lasket type, bulk, non-sterile)	Amber	1 ml	100	500
21001GCNSB	Sol-M 1ml Oral Dispensing Syringe Clear w/ Tip Cap (Gasket type, bulk, non-sterile)	Clear	1 ml	100	500
21003GANSB	Sol-M 3ml Oral Dispensing Syringe Amber w/ Tip Cap (Gasket type, bulk, non-sterile)	Amber	3 ml	100	500
21003GCNSB	Sol-M 3ml Oral Dispensing Syringe Clear w/ Tip Cap (Gasket type, bulk, non-sterile)	Clear	3 ml	100	500
21005GANSB	Sol-M 5ml Oral Dispensing Syringe Amber w/ Tip Cap (Gasket type, bulk, non-sterile)	Amber	5 ml	100	500
21005GCNSB	Sol-M 5ml Oral Dispensing Syringe Clear w/ Tip Cap (Gasket type, bulk, non-sterile)	Clear	5 ml	100	500
21010GANSB	Sol-M 10ml Oral Dispensing Syringe Amber w/ Tip Cap (Gasket type, bulk, non-sterile)	Amber	10 ml	100	500
21010GCNSB	Sol-M 10ml Oral Dispensing Syringe Clear w/ Tip Cap (Gasket type, bulk, non-sterile)	Clear	10 ml	100	500

INFUSION



3 out of 10 healthcare workers had at least one exposure to blood or bodily fluids.²



1. IV Catheter with protector; 2. Sol-Care™ Safety Winged Infusion Set; 3. Sol-Care™ Safety IV Catheter Closed System; 4. Saline Flush – 0.9% USP Sodium Chloride Injection; 5. Sol-M™ IV Dressing

Healthcare workers are exposed to blood and bodily fluids in the workplace through needlesticks, sharps injuries, and splashes into the eyes, nose, or mouth. This puts them at risk of contracting bloodborne pathogens, such as hepatitis C, hepatitis B, and HIV.¹ **One study of nearly 1,000 healthcare workers found that 29.6% of the healthcare workers surveyed had at least one accidental exposure in the previous year.²**

Protect your healthcare workers with Sol-Millennium's® infusion products that are designed with advanced features to help prevent needlestick injuries and occupational blood exposure.

1. World Health Organization: Health care worker safety: AIDE-MEMOIRE for a strategy to protect health workers from infection with bloodborne viruses. 2013. http://www.who.int/injection_safety/toolbox/en/AM_HCW_Safety_EN.pdf (accessed January 2023)

2. Alhazmi, Riyadh. "Occupational Exposure to Blood and Bodily Fluids among Health Care Workers." *Medical Principles and Practice*, vol. 24, no. 1, Jan. 2015, pp. 36-41, doi:10.33915/etd.5065.

● IV Catheter with Protector

IV Catheter is intended for the intravenous delivery of medication – both continuous and intermittent. Available with a safety feature which covers the needle bevel aimed at prevention of needle stick injuries.

Features:

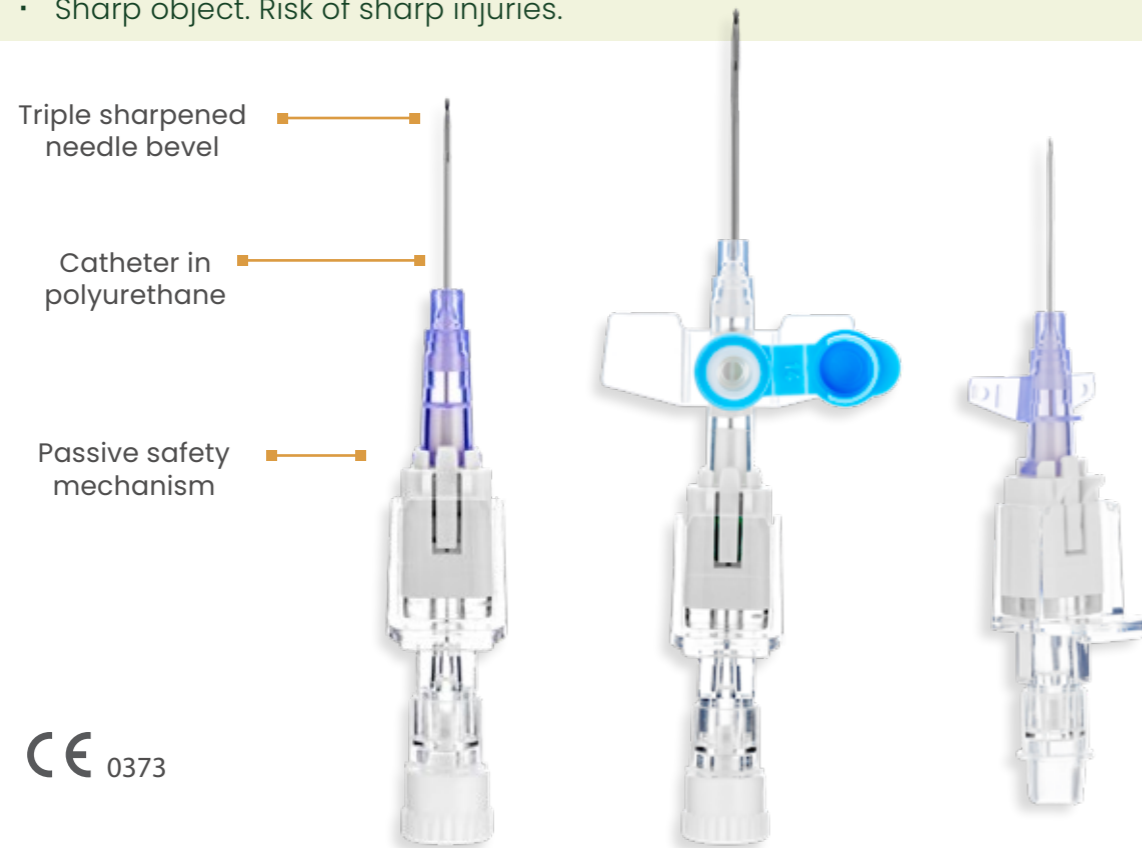
- Passive safety mechanism to help prevention of needlestick injuries: an automatic system covers the tip of the needle after use.
- Triple sharpened needle bevel designed to facilitate puncture.
- Catheter in polyurethane (PUR) was used to soften catheter's insertion and thus improve patient's comfort.
- Available with wings aimed at stabilizing insertion.
- Wide range of catheter gauges and lengths to meet majority of clinical use, particularly for Neonatology.

Intended use: Catheter for short-term peripheral venous access that, in combination with other devices, allows the administration of fluids.

Intended user: Licensed healthcare professionals (HCP).

Cautions:

- Do not use if the unit package is damaged or opened.
- Device for single use only: do not sterilize and/or use again, in order not to compromise its performances or cause possible cross contamination by other patients.
- This device is to be used for oral medication delivery only.
- The product must be used immediately after opening the packaging.
- Read the instruction before use.
- Sharp object. Risk of sharp injuries.



CE 0373

Single Entry S

Dual Entry

Single Entry W



Neo Delta SelfSafe® PUR

Ref. Number	Product Description	Gauge	Needle Length (mm)	Box Qty	Case Qty
3708122	Single Entry W	26G	19 mm	50	200
3718122	Single Entry W	24G	19 mm	50	200
3728122	Single Entry W	22G	25 mm	50	200
3738122	Single Entry W	20G	32 mm	50	200
3788122	Single Entry W	18G	32 mm	50	200
3748122	Single Entry W	18G	45 mm	50	200
3758122	Single Entry W	17G	45 mm	50	200
3768122	Single Entry W	16G	45 mm	50	200
3778122	Single Entry W	14G	45 mm	50	200
3708522	Single Entry S	26G	19 mm	50	200
3718522	Single Entry S	24G	19 mm	50	200
3728522	Single Entry S	22G	25 mm	50	200
3738922	Single Entry S	20G	30 mm	50	200
3738522	Single Entry S	20G	32 mm	50	200
3788522	Single Entry S	18G	32 mm	50	200
3748522	Single Entry S	18G	45 mm	50	200
3758522	Single Entry S	17G	45 mm	50	200
3768522	Single Entry S	16G	45 mm	50	200
3778522	Single Entry S	14G	45 mm	50	200
3704022	Dual Entry	26G	19 mm	50	200
3713122	Dual Entry	24G	19 mm	50	200
3723122	Dual Entry	22G	25 mm	50	200
3733122	Dual Entry	20G	32 mm	50	200
3783122	Dual Entry	18G	32 mm	50	200
3743122	Dual Entry	18G	45 mm	50	200
3753122	Dual Entry	17G	45 mm	50	200
3763122	Dual Entry	16G	45 mm	50	200
3773122	Dual Entry	14G	45 mm	50	200

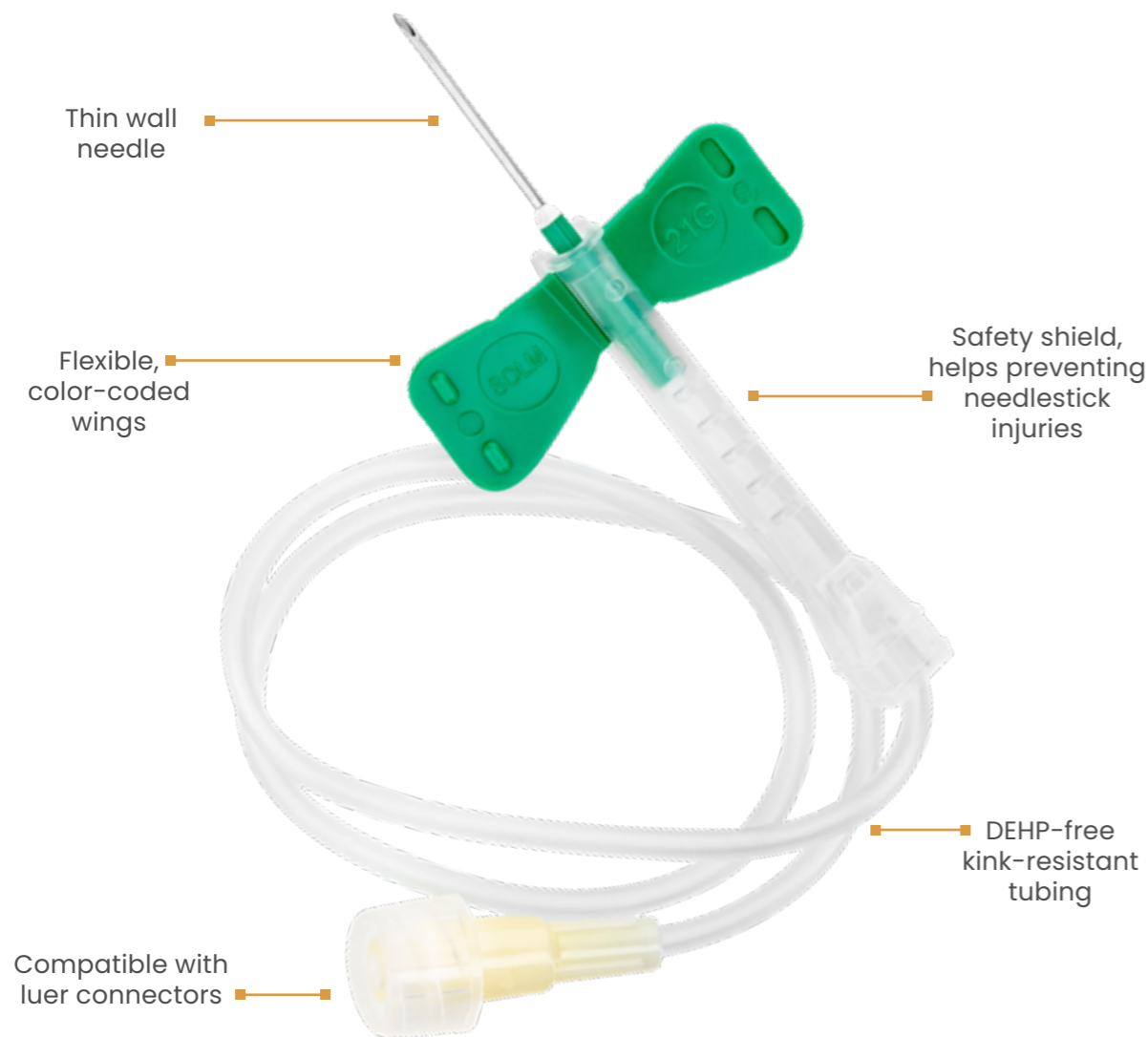
Distributed by Sol-Millennium Europe Sp.z o.o. in selected countries. Manufactured by Delta Med s.p.a – Via G. Rossi, 20 – Viadana (Mn) – Italy

Sol-Care™



Safety Winged Infusion Set

Sol-Care™ Safety Winged Infusion Sets are intended for short-term IV medication administration. Each infusion set is equipped with a safety mechanism that can be activated after the infusion has completed, helping to prevent needlestick injuries.



CE 0123

Sol-Care™ Safety Winged Infusion Set

Ref. Number	Product Description	Gauge	Needle Length (inches)	Needle Length (mm)	Tubing Length (inches)	Tubing Length (mm)	Box Qty	Case Qty
213412SI	SOL-CARE Safety Winged Infusion Set 21G x 3/4 x 12"	21 G	3/4"	19 mm	12"	305mm	50	200
223412SI	SOL-CARE Safety Winged Infusion Set 22G x 3/4 x 12"	22 G	3/4"	19 mm	12"	305mm	50	200
233412SI	SOL-CARE Safety Winged Infusion Set 23G x 3/4 x 12"	23 G	3/4"	19 mm	12"	305mm	50	200
253412SI	SOL-CARE Safety Winged Infusion Set 25G x 3/4 x 12"	25 G	3/4"	19 mm	12"	305mm	50	200

Intended use: The Safety Winged Infusion Set is a sterile winged infusion device with tubing and end cap. The device is used for infusion of intravenous fluids. The device is designed with a safety mechanism to help reduce the risk of needle stick injuries.

Intended user: Licensed healthcare professionals (HCP).

Cautions:

- Mishandling of the device after use may result in blood contamination or a needle stick injury to the user, potentially resulting in blood-borne infectious disease.
- Do not use the device within Magnetic Resonance (MR) environment.
- Sharp object. Risk of sharp injuries.

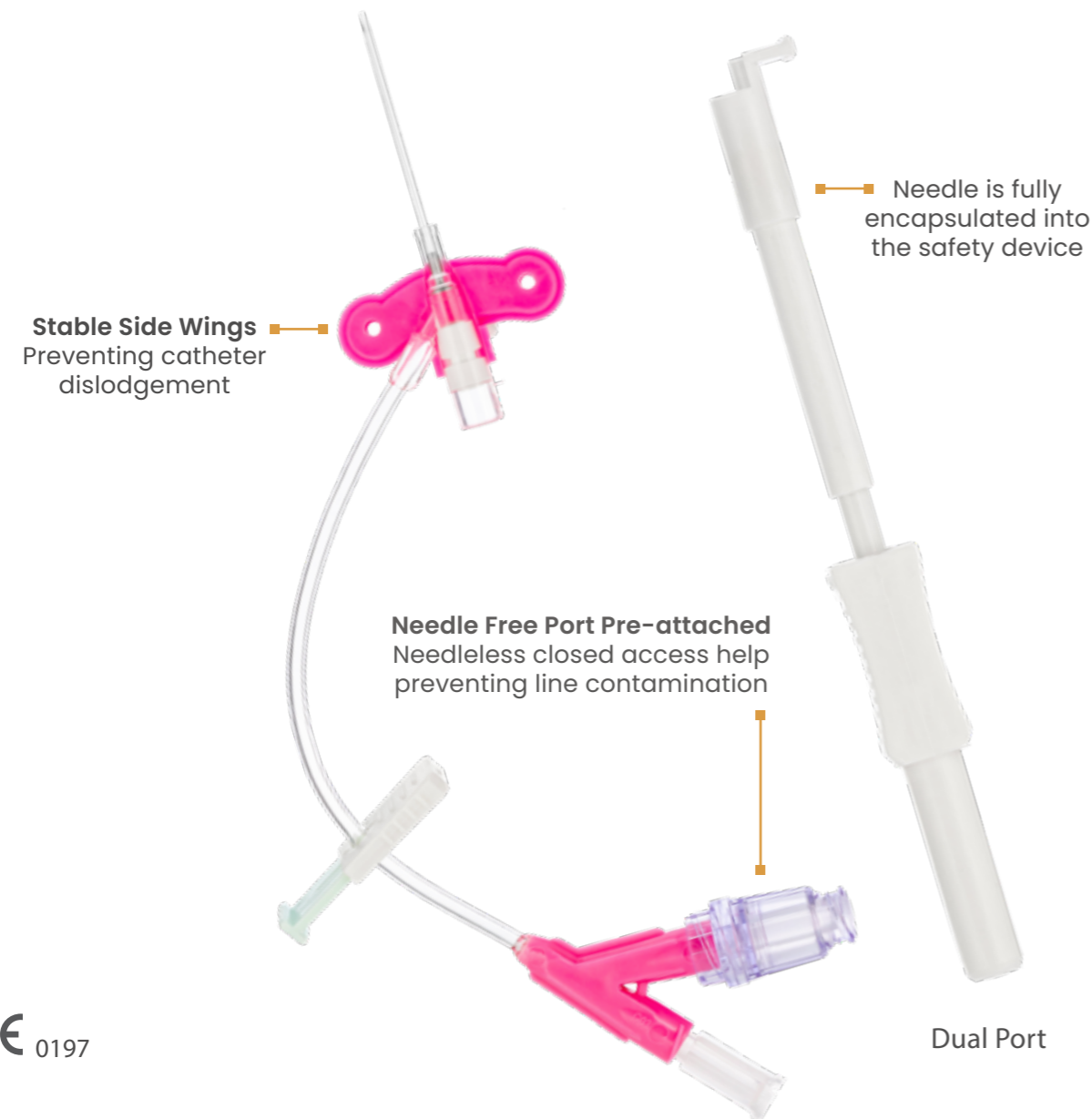


Sol-Care™

● Safety IV Catheter Closed System

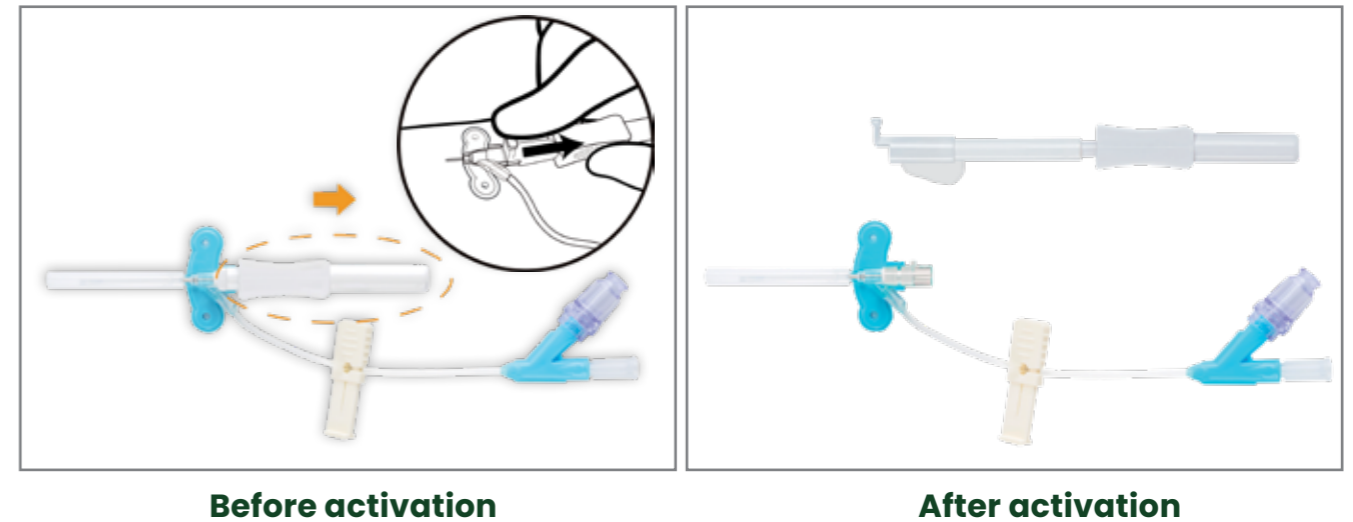
Sol-Care™ Safety IV Catheter Closed System is single use indwelling device consists of medical plastics, stainless steel needle, wings and extension sets. The device can be single port and dual port with needle free port. It is used to insert into the human peripheral vascular system for clinical infusion.

The device features passive safety mechanism that offers protection from needle stick injury after the needle is withdrawn from the patient.



CE 0197

Distributed by Sol-Millennium Europe Sp. z o.o. Manufactured by Fujian Bestway Medical Polymer Corporation, Room 02, 17th Floor, West District of Jinyuan Grand Plaza, No. 68 Guangda Road, Taijiang District, Fuzhou, 350005 Fujian P.R.China



Sol-Care™ Safety IV Catheter Closed System

Ref. Number	Port Type	Gauge	Catheter Length (mm)	Extension Tube Length (mm)	Gravity Flow (ml/min)	Prime Volume (ml)
CIV001	Single port	18G	30 mm	90 mm	84	0.5
CIV002	Single port	20G	30 mm	90 mm	49	0.5
CIV003	Single port	20G	25 mm	90 mm	49	0.4
CIV004	Single port	22G	25 mm	90 mm	32	0.4
CIV005	Single port	24G	19 mm	90 mm	18	0.4
CIV006	Dual Port	18G	30 mm	90 mm	84	0.5
CIV007	Dual Port	20G	30mm	90 mm	49	0.5
CIV008	Dual Port	20G	25 mm	90 mm	49	0.4
CIV009	Dual Port	22G	25 mm	90 mm	32	0.4
CIV010	Dual Port	24G	19 mm	90 mm	18	0.4

Sales Units: 50 units/box, 200 units/case

Intended use: The device is intended for short term use (up to 96 hrs) in the peripheral vascular system and provides access for the administration of intravenous fluids, medication, blood derivatives or the withdrawal of blood samples. Closed peripheral venous catheter can stay inserted as long as clinically indicated for short term therapy but the only if there is no any sign of phlebitis or catheter occlusion. This catheter may be used for any patient population with consideration given to adequacy of vascular anatomy and appropriateness of procedure.

Intended user: Licensed healthcare professionals (HCP).

Cautions:

- Consult instruction for use before using this device
- Users must be trained by a healthcare professional and follow the Instructions For Use. Failure to follow these instructions could result in serious injury to the patient and/or clinician.
- Sharp object. Risk of sharp injuries.
- Do not use if the unit package is damaged or opened.
- Device for single use only: do not sterilize and/or use again, in order not to compromise its performances or cause possible cross contamination by other patients

Saline Flush – 0.9% USP Sodium Chloride Injection

Pentaflush Pre-filled Saline Syringe provide ready-to-use saline flush solution for flushing of central and peripheral vascular access device.

Advantages if a ready-to-use device vs a manually filled conventional syringe.

Features:

- Bacterial contamination reduction: Reduces the risk of bacterial contamination which may occur through the use of conventional multi-dose NaCl containers
- Disposal reduction: reduces waste of saline solution multidose containersCatheter patency maintenance
- Aid to catheter patency maintenanceNeedlestick injuries avoidance
- Needlestick injuries risk elimination: Eliminates the risk of needle stick injuries during preparation using a conventional syringe
- Nurse workflow enhancement
- Streamlining of ward procedures

Needle Free Design
White safety cap
For easy identification

0.9% Sodium Chloride filled
Ready to use

Identical diameter
among 4 sizes syringes
Prevent catheter damage



CE 0123

Saline Flush – 0.9% USP Sodium Chloride Injection

Ref. Number	Product Description	Volume	Box Qty	Case Qty
060022420	3ml pre-filled syringe 0.9% NaCl	3 ml	30	120
060022520	5ml pre-filled syringe 0.9% NaCl	5 ml	30	120
060022620	10ml pre-filled syringe 0.9% NaCl	10 ml	30	120
060022720	20ml pre-filled syringe 0.9% NaCl	20 ml	20	80
060025420	3ml pre-filled syringe 0.9% NaCl Aluminium Pack	3 ml	30	120
060025520	5ml pre-filled syringe 0.9% NaCl Aluminium Pack	5 ml	30	120
060025620	10ml pre-filled syringe 0.9% NaCl Aluminium Pack	10 ml	30	120
060025720	20ml pre-filled syringe 0.9% NaCl Aluminium Pack	20 ml	20	80

Suitable for sterile field

- Externally sterile
- Individually packed
- Aluminium pack available for procedural kit (allow second sterilization with ETO)
- Not made with natural rubber latex
- PVC-free, Preservative-free



- Needle free design
- Standard Luer Lock
- White-coded cap
- Bold graduation
- Available in 4 sizes
- Not intended for drug reconstitution

Intended use: Saline 0,9% NaCl Pre-Filled syringes for the flushing of central and peripheral vascular access devices.

Intended user: Licensed healthcare professionals (HCP).

Cautions:

- Not suitable for reconstitution of dry products, dilution of medications or in case where the IV therapy with NaCl solution is indicated.

Distributed in selected markets by Sol-Millennium Europe Sp. z o.o. Manufactured by PENTAFERTE ITALIA s.r.l.Viale Piane Nocella, 2364012 CAMPLI (TE)- Italy

Sol - M™

IV Dressing

Sol-Millennium® offers two types of catheter dressing:

Non-woven dressing consists of absorbent cotton pad laminated to a spun-laced non-woven with a medical grade, acrylic adhesive on a glassine release paper.

PU film dressing is transparent dressing made of high-permeable polyurethane (PU) film, with high moisture permeable medical degree acrylic adhesive. It can be full film or pre-cut film.

The dressings are designed to fix IV catheter to help to protect from CRBSI (Catheter-related Bloodstream Infection) and related local complications.

U-shaped incision with non-woven

- Absorbed pad
- Easy peer-off back paper
- Pre-attached tape on back



CE 0123

Intended use: SIntended to be used for fixation of IV catheter.

Intended user: Licensed healthcare professionals (HCP).

Cautions:

- Do not use if the unit package is damaged or opened.
- The product must be used immediately after opening the packaging

Distributed by Sol-Millennium Europe Sp. z o.o. Manufactured by Zhejiang Longterm Medical Technology Co., Ltd., ShuangShan Road 277, Fuxi Street, Deqing County, 313200 Huzhou City, Zhejiang Province, PEOPLE'S REPUBLIC OF CHINA

PU film pre-cut



U-shaped incision with spun lanced non-woven

- Suitable for use with IV catheters with Wings or Injection Port
- Designed to increase skin comfort

Pre-attached tape
Additional catheter fixation

Transparent polyurethane
Facilitate the observation of the injection site film (PU)

Easy peer-off back paper

Transparent polyurethane film (PU)

- Facilitate the observation of the injection site
- High moisture permeability

Ear shape for easy paper strip

Data strip help in clear patient management

Easy peer-off back paper

PU film

Sol-M™ IV Dressing

Ref. Number	Product Description	Size
DRE001	Non-woven	6 x 8 cm
DRE002	PU film pre-cut	7 x 9 cm
DRE003	PU film	6 x 7cm

Sales Units: 100 units/box; 800 units/case



Registered office

Sol-Millennium Europe Sp. z o.o.
Twarda 18, 00-105 Warsaw, Poland

Commercial office

Sol-Millennium Europe Sp. z o.o.
Warsaw HUB, Rondo Daszyńskiego 2B, 00-843 Warsaw, Poland

Registered address at Twarda 18, 00-105 Warsaw, Poland, Registry Court: District Court for Warsaw, XIIth Economic Department KRS 0000434783, NIP: 5252535720, EU VAT: PL5252535720, Share capital: 500.000 PLN

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EMEA-MD-413-0123