



SOL-MILLENNIUM®
Building a Healthier Tomorrow



Europe, Middle East and Africa Product Catalog

Medical Delivery Products

sol-m.com | info.eu@sol-m.com

Sol-Millennium is a vertically integrated medical supply company with locations around the globe. We are one of the world's largest manufacturers of needles and syringes and also distribute a comprehensive line of medical supplies.

Our company has an international sales team with the sole focus of utilizing their knowledge to deliver you the best possible customer experience. We have been able to develop long and successful partnerships in the healthcare industry because we focus on what matters: excellent products and customer service.

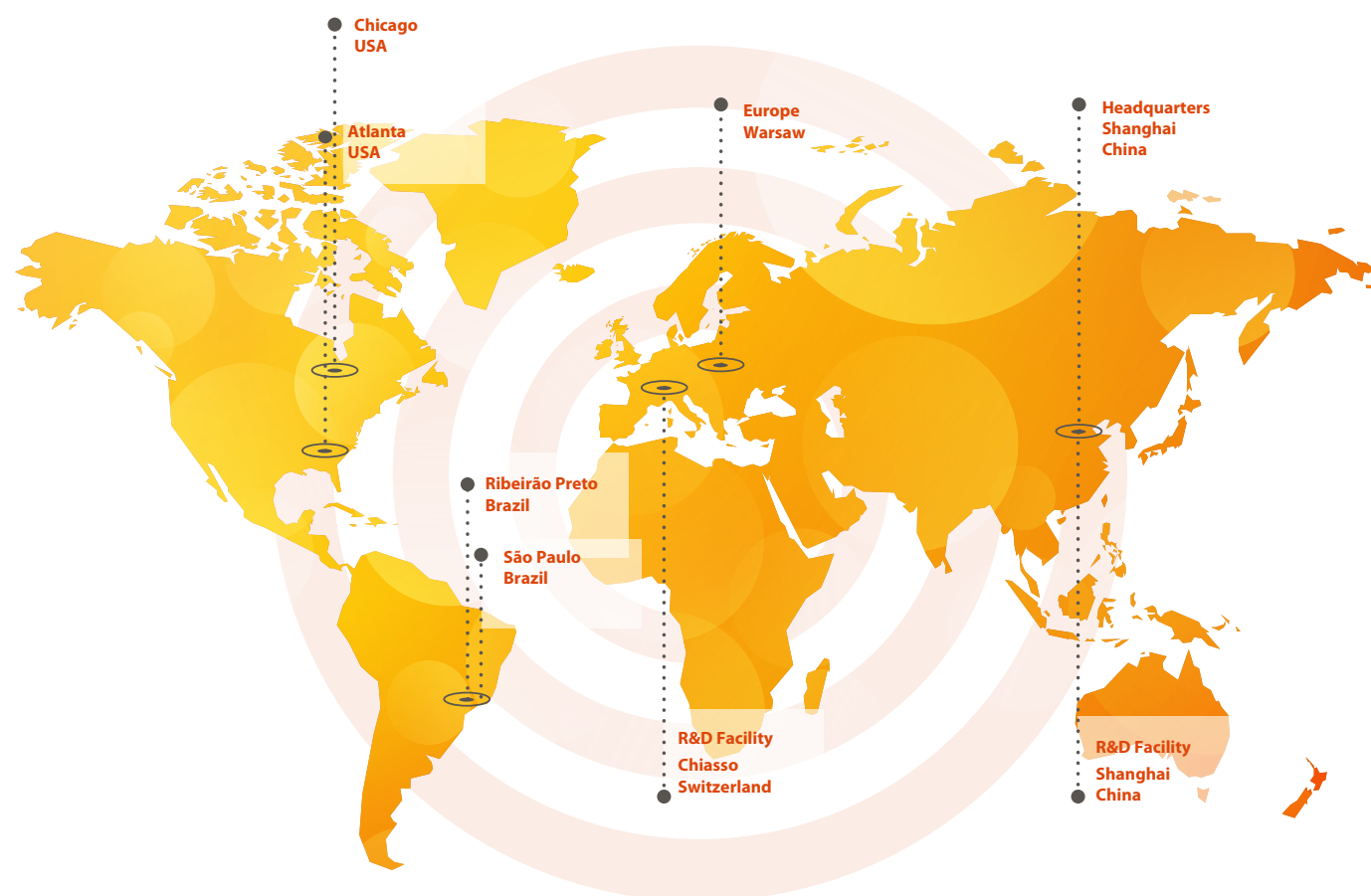


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Low Dead Space



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

Low Dead Space (LDS) syringes became a critical medical supply throughout the COVID-19 pandemic as the world tried to maximize every drop of COVID-19 vaccine. 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 **increase the number of doses** from each vial

Sol Millennium's® LDS syringes provide tremendous value by increasing the number of doses that can be drawn from a multi-dose vial.¹ This allows for greater distribution of a vaccine and was particularly significant during the COVID-19 vaccination campaign because it increased the 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. 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.
3. Le Dare B, Bacle A, Lhermitte R, Lesourd F, Lurton Y Increasing vaccine supply with low dead-volume syringes and needles. *Int J Pharmaceutics* 608 (2021) 121053

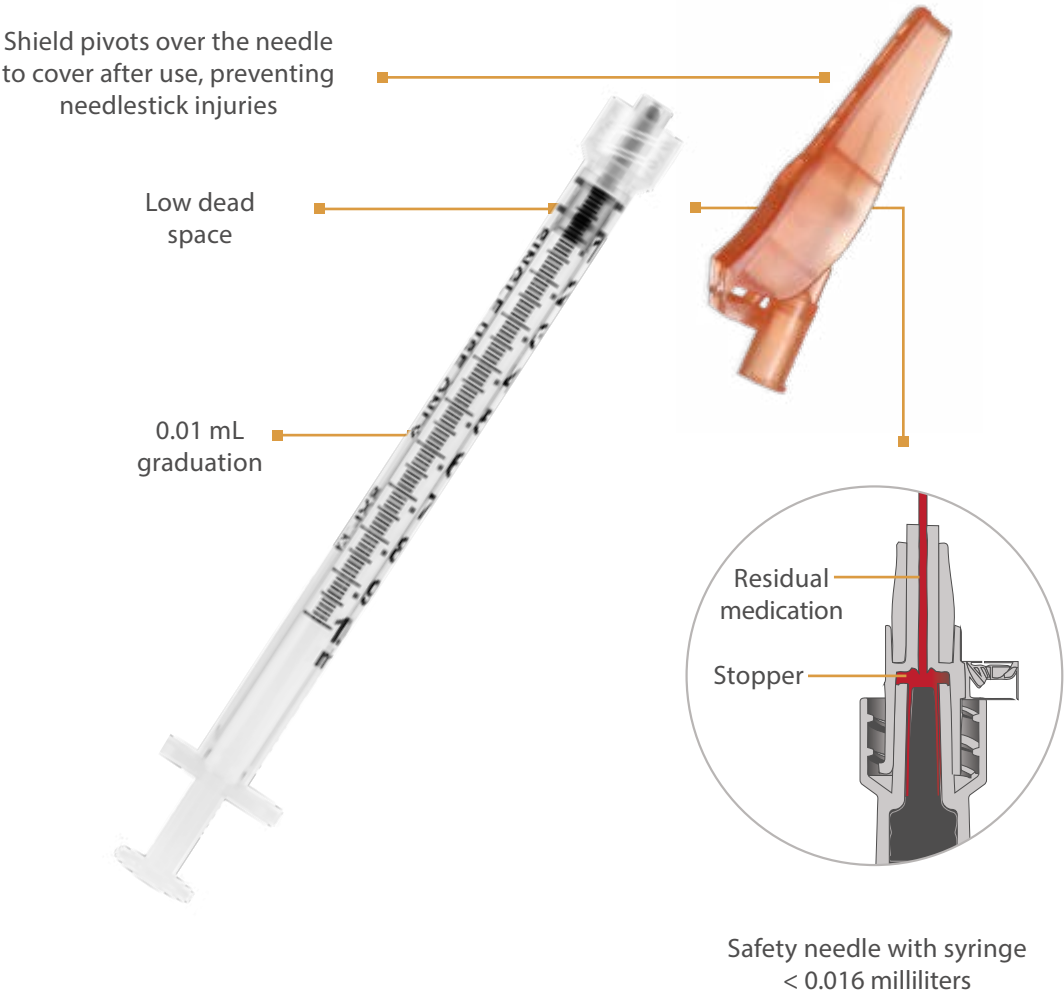


SOL-CARE™

Safety Needle with Syringe Combination



Sol-Millennium has engineered a unique 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!



SOL-CARE Safety Needle with Syringe Combination

CE 2797

Ref. Number	Volume	Gauge	Needle Length (inches)	Needle Length (mm)	Average Dead Space	Case Qty	Box Qty
12515SN	1 ml	25 G	1 1/2"	40mm	0.016 ml	300	50
12510SN	1 ml	25 G	1"	25mm	0.016 ml	300	50
12558SN	1 ml	25 G	5/8"	16mm	0.016 ml	300	50
12310SN	1 ml	23 G	1"	25mm	0.016 ml	300	50
12315SN	1 ml	23 G	1 1/2"	40mm	0.016 ml	300	50

SOL-M™

Syringe with Fixed Needle

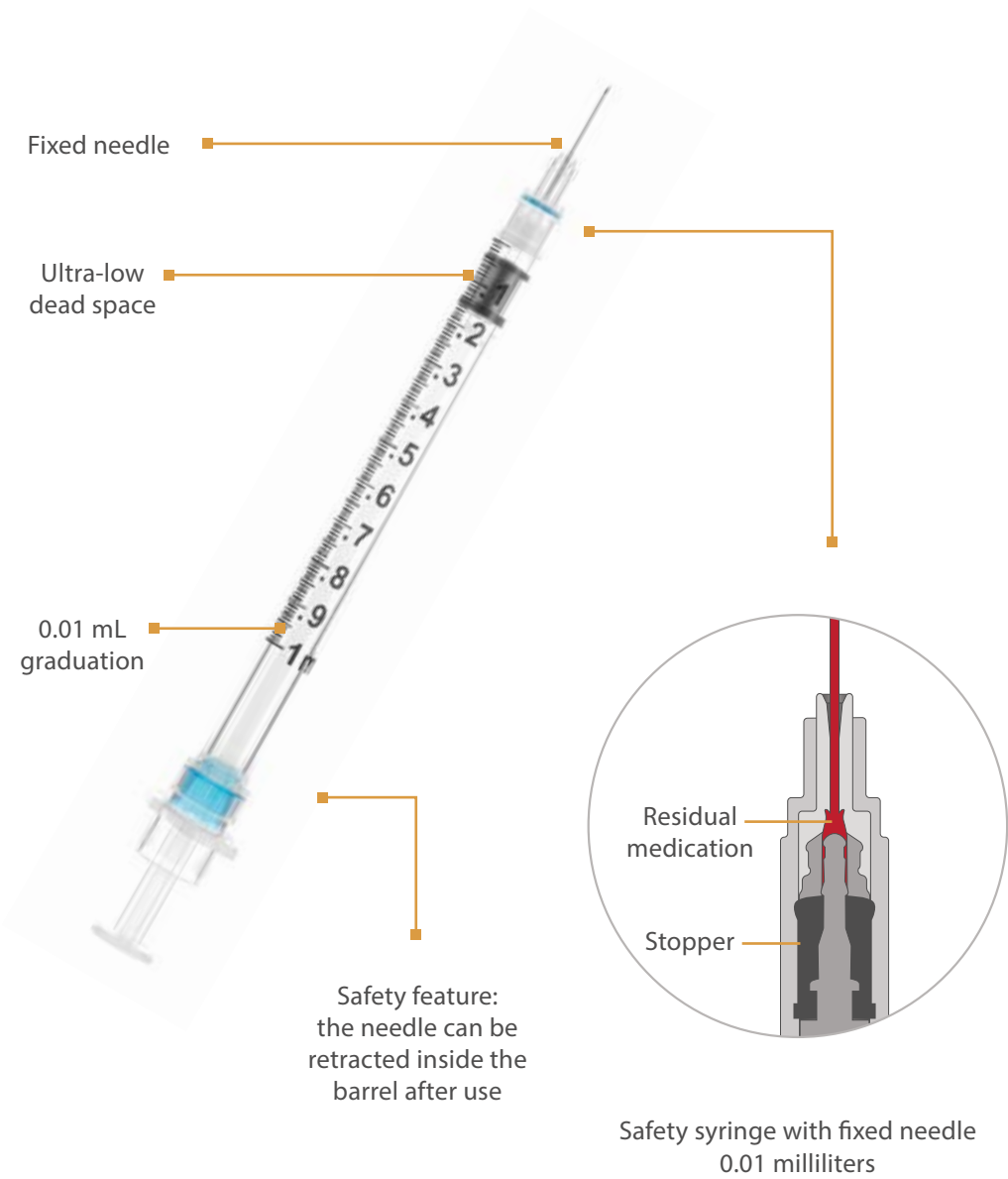


SOL-M Syringe with Fixed Needle

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Ref. Number	Volume	Gauge	Needle Length (inches)	Needle Length (mm)	Average Dead Space	Case Qty	Box Qty
181025	1 ml	25 G	5/8"	16mm	0.006 ml	800	100
182025	1 ml	25 G	1"	25mm	0.006 ml	800	100
181023	1 ml	23 G	1"	25mm	0.006 ml	800	100

SOL-CARE™
Safety Syringe with Fixed Needle



SOL-CARE Safety Syringe with Fixed Needle



Ref. Number	Volume	Gauge	Needle Length (inches)	Needle Length (mm)	Average Dead Space	Case Qty	Box Qty
100018IM	1 ml	25 G	5/8"	16mm	0.01 ml	1000	100
100034IM	1 ml	25 G	1"	25mm	0.01 ml	1000	100

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

SOL-CARE™
Safety Needle with Syringe Combination

Safety needle with protective shield that swings over the needle to cover and prevent needle stick injuries

Attached to our SOL-M 3-Piece Syringe with low-dead space feature

SOL-CARE™
Safety Syringes

Safety syringe that helps to stop 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



Diabetes Care



The population of adults with diabetes continues to increase every year. **In 2019 463 milion** adults have diabetes.¹ **At Sol-Millennium®, we understand that this means 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, our over-the-counter consumer products are of the highest quality, insuring easy and comfortable insulin administration.

SOL-M™ Standard Insulin Syringe

A standard insulin syringe that provides accurate dosing and comfortable administration

SOL-GUARD™ Safety Insulin Syringe

A safety insulin syringe with a safety shield that slides up over the needle, lowering the risk of needlestick injury

SOL-CARE™ Safety Insulin Syringe

A safety insulin syringe where the needle retracts into the barrel of the syringe after administration, lowering the risk of needlestick injury



1. <https://www.idf.org/aboutdiabetes/what-is-diabetes/facts-figures.html>

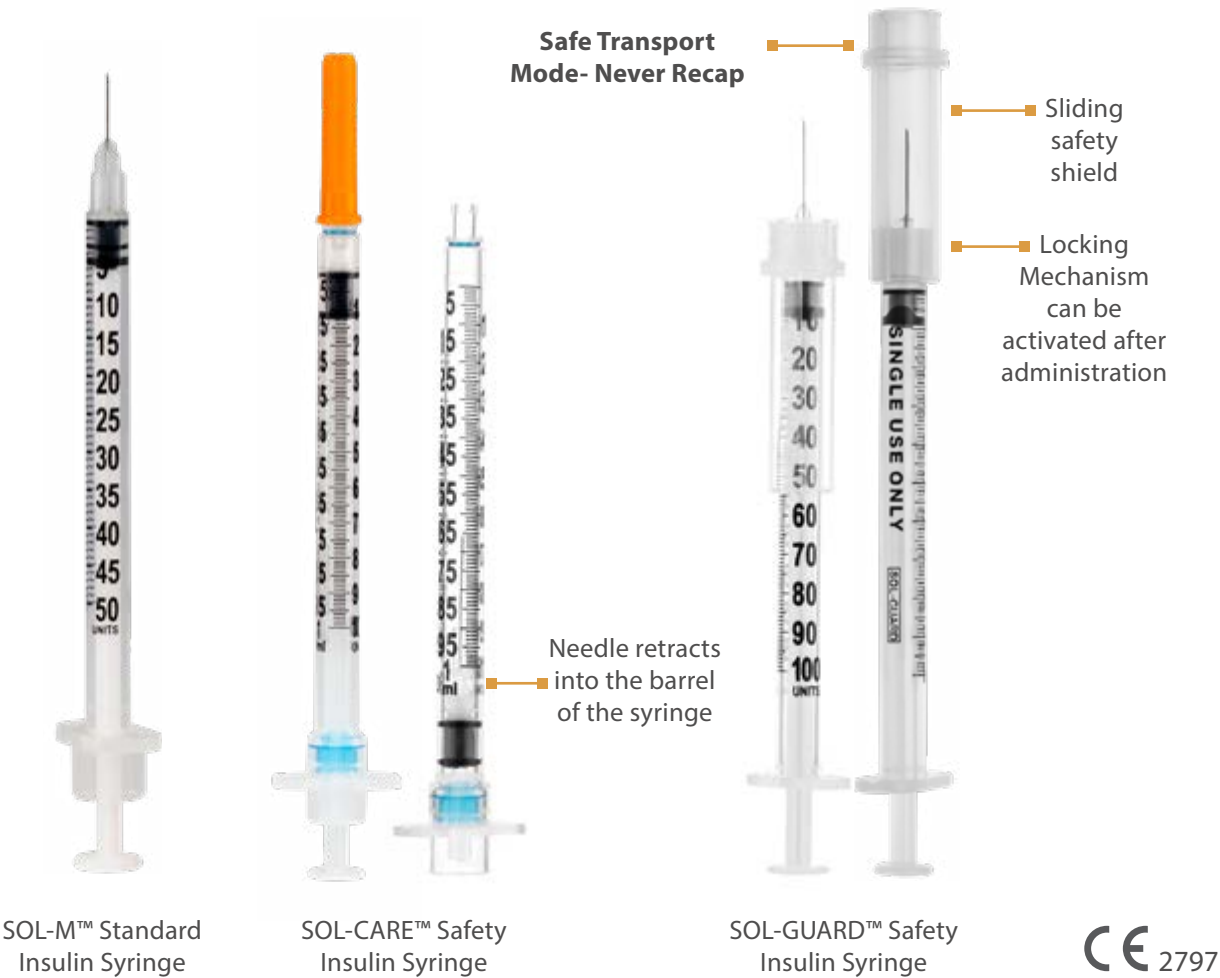
Insulin Syringe

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.



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SOL-M™ Standard Insulin Syringe

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

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

SOL-CARE™ Safety Insulin Syringe

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

SOL-M™ Slip Tip Insulin Syringe without Needle

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

SOL-GUARD™ Safety Insulin Syringe

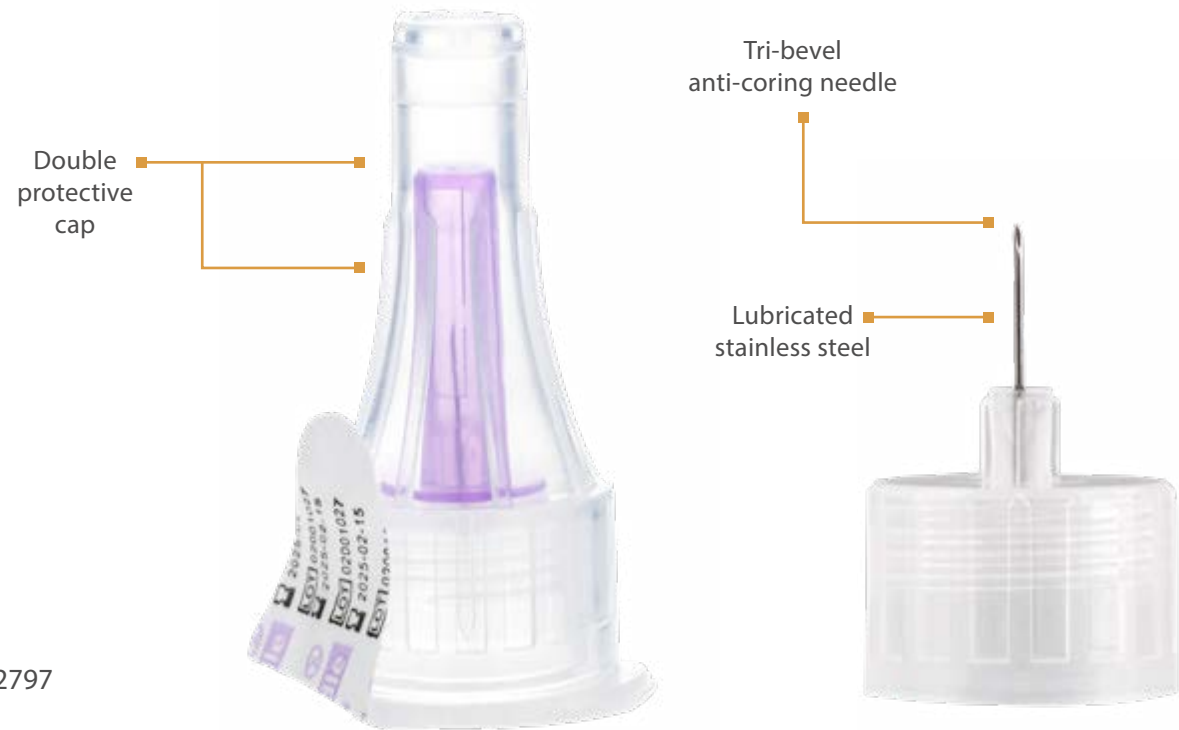
Ref. Number	Volume	Gauge	Needle Length (inches)	Needle Length (mm)	Case Qty	Box Qty
200003SG	0.3 ml	29 G	1/2"	12.5mm	800	100
2331516SG	0.3 ml	31 G	5/16"	8mm	800	100
200002SG	0.5 ml	29 G	1/2"	12.5mm	800	100
2531516SG	0.5 ml	31 G	5/16"	8mm	800	100
200017SG	1 ml	29 G	1/2"	12.5mm	800	100

SOL-M™ Pen Needle

SOL-M™ Pen Needles provide accurate and reliable insulin delivery. They are engineered for comfortable medication delivery with silicone oil lubrication, sharp triple bevel, and thin wall technology.

Features:

- Double protective cap
- Tri-bevel anti-coring needle to minimize discomfort
- Thin-wall needle for optimal medication flow (29G-33G)
- Compatible with most injector pens
- Sizes are color coded for easy identification



CE 2797



Sizes are color coded for easy identification.



SOL-M™ Pen Needles

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

Needles



Safety needles create
a 4-fold reduction
in needlestick injuries

Needlestick injuries are a major risk for healthcare professionals utilizing needles and sharps, which puts them at risk for blood-borne pathogens. **Safety needles and other safety injection devices have shown to create a 4-fold reduction in these types of needlestick injuries.¹**

Sol-Millennium's® safety and blunt fill needles help to minimize the risk of accidental needlesticks. We offer multiple types of needles to have a product for every situation.

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



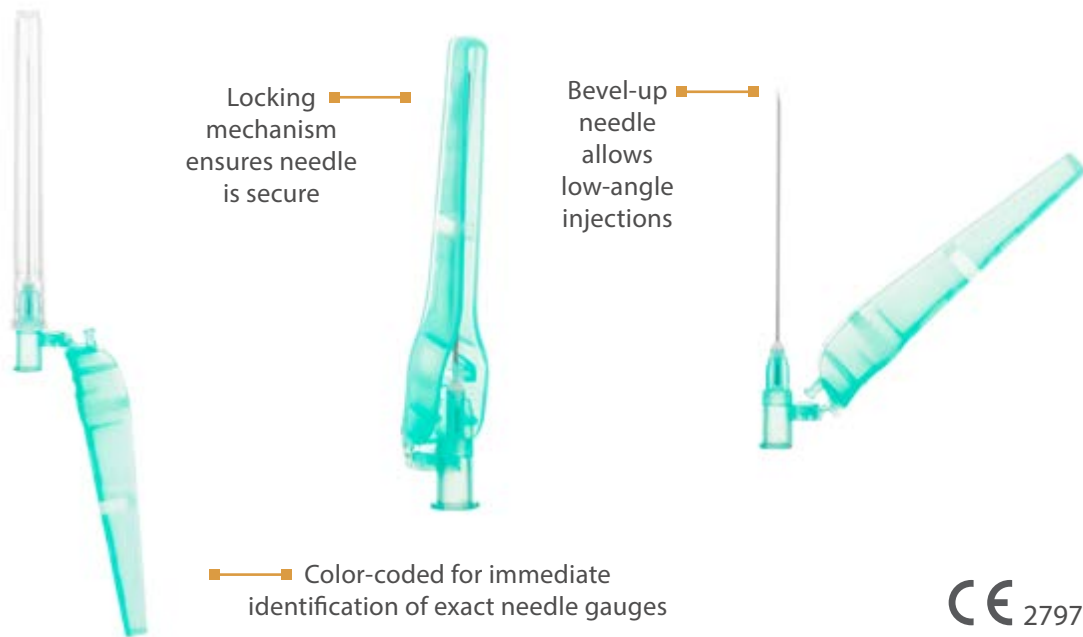
SOL-CARE™ Safety Needle



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 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 safety mechanism is secure and locked in place
- Hubs, protective shields, and packaging are color-coded for immediate identification of needles gauges (ISO 6009)
- Protective arm does not obstruct visualization of injection site
- Bevel-up needle allows for low-angle injections
- Compatible with all standard Luer Lock and Luer Slip Tip syringes



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"	18 G	1"	25mm	100	800
SN1815	SOL-CARE Safety Needle 18G x 1 1/2"	18 G	1 1/2"	40mm	100	800
SN1820	SOL-CARE Safety Needle 18G x 2"	18 G	2"	50mm	100	800
SN1910	SOL-CARE Safety Needle 19G x 1"	19 G	1"	25mm	100	800
SN1915	SOL-CARE Safety Needle 19G x 1 1/2"	19 G	1 1/2"	40mm	100	800
SN1920	SOL-CARE Safety Needle 19G x 2"	19 G	2"	50mm	100	800
SN2010	SOL-CARE Safety Needle 20G x 1"	20 G	1"	25mm	100	800
SN2015	SOL-CARE Safety Needle 20G x 1 1/2"	20 G	1 1/2"	40mm	100	800
SN2110	SOL-CARE Safety Needle 21G x 1"	21 G	1"	25mm	100	800
SN2115	SOL-CARE Safety Needle 21G x 1 1/2"	21 G	1 1/2"	40mm	100	800
SN2105	SOL-CARE Safety Needle 21G x 2"	21 G	2"	50mm	100	800
SN2210	SOL-CARE Safety Needle 22G x 1"	22 G	1"	25mm	100	800
SN22125	SOL-CARE Safety Needle 22G x 1 1/4"	22 G	1 1/4"	32mm	100	800
SN2215	SOL-CARE Safety Needle 22G x 1 1/2"	22 G	1 1/2"	40mm	100	800
SN2205	SOL-CARE Safety Needle 22G x 2"	22 G	2"	50mm	100	800
SN23125	SOL-CARE Safety Needle 23G x 1 1/4"	23 G	1 1/4"	32mm	100	800
SN2315	SOL-CARE Safety Needle 23G x 1 1/2"	23 G	1 1/2"	40mm	100	800
SN2310	SOL-CARE Safety Needle 23G x 1"	23 G	1"	25mm	100	800
SN2410	SOL-CARE Safety Needle 24G x 1"	24 G	1"	25mm	100	800
SN2558	SOL-CARE Safety Needle 25G x 5/8"	25 G	5/8"	16mm	100	800
SN2510	SOL-CARE Safety Needle 25G x 1"	25 G	1"	25mm	100	800
SN2515	SOL-CARE Safety Needle 25G x 1 1/2"	25 G	1 1/2"	40mm	100	800
SN2612	SOL-CARE Safety Needle 26G x 1/2"	26 G	1/2"	12.5mm	100	800
SN2712	SOL-CARE Safety Needle 27G x 1/2"	27 G	1/2"	12.5mm	100	800
SN2758	SOL-CARE Safety Needle 27G x 5/8"	27 G	5/8"	16mm	100	800
SN2734	SOL-CARE Safety Needle 27G x 3/4"	27 G	3/4"	18.5mm	100	800
SN27125	SOL-CARE Safety Needle 27G x 1 1/4"	27 G	1 1/4"	32mm	100	800
SN2715	SOL-CARE Safety Needle 27G x 1 1/2"	27 G	1 1/2"	40mm	100	800
SN3012	SOL-CARE Safety Needle 30G x 1/2"	30 G	1/2"	12.5mm	100	800

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

SOL-M™ Blunt Fill Needle

Blunt Fill Needles reduce the risk of needlestick injuries to healthcare workers when drawing up and preparing medication by removing the need for sharps.

For use with ‘Double Needle Technique’ when drawing medication and can also be used for IV push administration 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 to prevent the drawing of glass particles when using ampules (REF: 110022F)



CE 2797

SOL-M Blunt Fill Needles

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

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



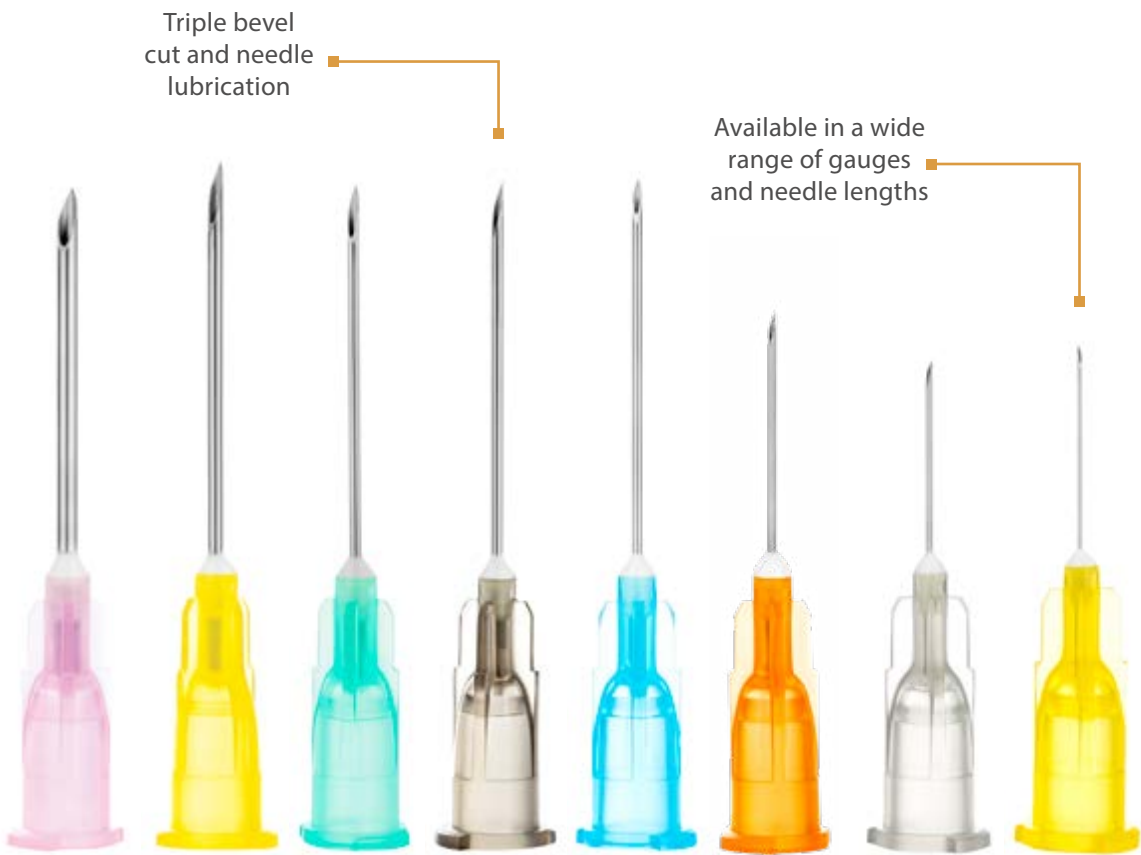
5-micron filter needle for use with glass ampules. Prevents glass particles from entering the syringe.

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 that minimizes patient discomfort
- Color-coded hubs for easy gauge identification
- Translucent hubs for flashback confirmation
- Compatible with all standard Luer Lock and Luer Slip Tip syringes



Color-coded and translucent hubs



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"	16 G	1 1/2"	40mm	100	1000
111810	SOL-M Hypodermic Needle 18G x 1"	18 G	1"	25mm	100	1000
111815	SOL-M Hypodermic Needle 18G x 1 1/2"	18 G	1 1/2"	40mm	100	1000
111820	SOL-M Hypodermic Needle 18G x 2"	18 G	2"	50mm	100	1000
111910	SOL-M Hypodermic Needle 19G x 1"	19 G	1"	25mm	100	1000
111915	SOL-M Hypodermic Needle 19G x 1 1/2"	19 G	1 1/2"	40mm	100	1000
111920	SOL-M Hypodermic Needle 19G x 2"	19 G	2"	50mm	100	1000
112010	SOL-M Hypodermic Needle 20G x 1"	20 G	1"	25mm	100	1000
112015	SOL-M Hypodermic Needle 20G x 1 1/2"	20 G	1 1/2"	40mm	100	1000
112110	SOL-M Hypodermic Needle 21G x 1"	21 G	1"	25mm	100	1000
112115	SOL-M Hypodermic Needle 21G x 1 1/2"	21 G	1 1/2"	40mm	100	1000
112120	SOL-M Hypodermic Needle 21G x 2"	21 G	2"	50mm	100	1000
112210	SOL-M Hypodermic Needle 22G x 1"	22 G	1"	25mm	100	1000
1122125	SOL-M Hypodermic Needle 22G x 1 1/4"	22 G	1 1/4"	32mm	100	1000
112215	SOL-M Hypodermic Needle 22G x 1 1/2"	22 G	1 1/2"	40mm	100	1000
1123125	SOL-M Hypodermic Needle 23G x 1 1/4"	23 G	1 1/4"	32mm	100	1000
112310	SOL-M Hypodermic Needle 23G x 1"	23 G	1"	25mm	100	1000
112410	SOL-M Hypodermic Needle 24G x 1"	24 G	1"	25mm	100	1000
112506	SOL-M Hypodermic Needle 25G x 5/8"	25 G	5/8"	16mm	100	1000
112510	SOL-M Hypodermic Needle 25G x 1"	25 G	1"	25mm	100	1000
112612	SOL-M Hypodermic Needle 26G x 1/2"	26 G	1/2"	12.5mm	100	1000
112658	SOL-M Hypodermic Needle 26G x 5/8"	26 G	5/8"	16mm	100	1000
112705	SOL-M Hypodermic Needle 27G x 1/2"	27 G	1/2"	12.5mm	100	1000
112734	SOL-M Hypodermic Needle 27G x 3/4"	27 G	3/4"	18.5mm	100	1000
112905	SOL-M Hypodermic Needle 29G x 1/2"	29 G	1/2"	12.5mm	100	1000
113005	SOL-M Hypodermic Needle 30G x 1/2"	30 G	1/2"	12.5mm	100	1000

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

Syringes



Syringes are a critical part of medication delivery. Sol-Millennium® manufactures a variety of syringes with several innovative features:



Low Dead Space (LDS)

Increased efficiency of medication utilization to minimize 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™

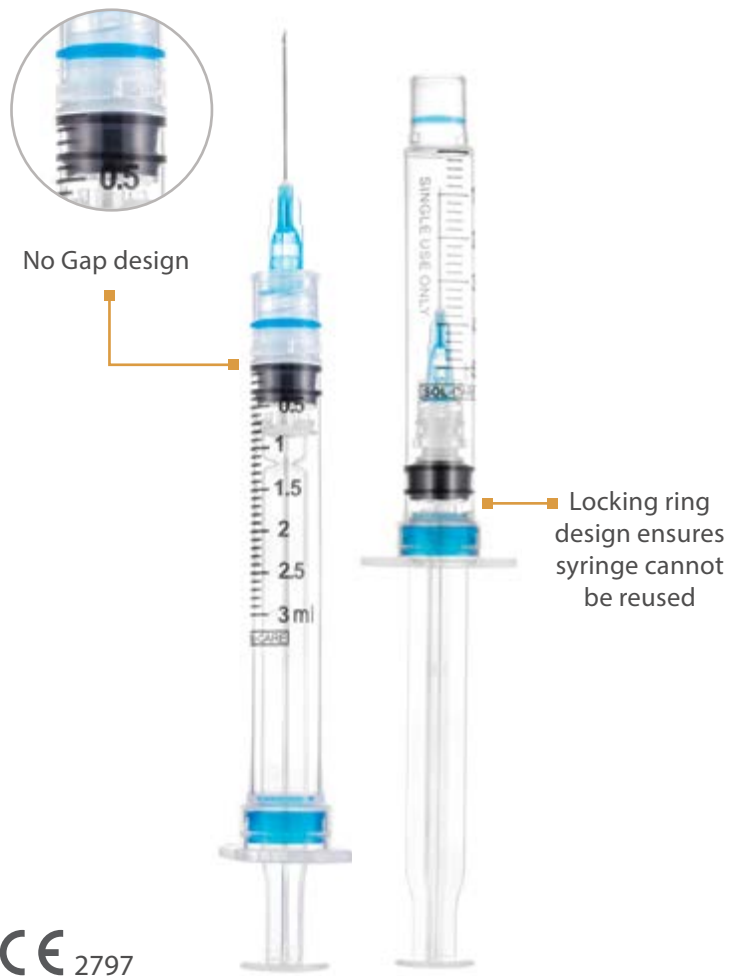
Safety Syringe with Exchangeable Needle



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.

Features:

- Compatible with all standard needles
- Clear, bold graduations 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



CE 2797

Retracting the SOL-CARE Safety Syringe:



Push



Pull



Snap

SOL-CARE Luer Lock Safety Syringe without Needle

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

SOL-CARE Luer Lock Safety Syringe with Exchangeable Needle

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



SOL-CARE™

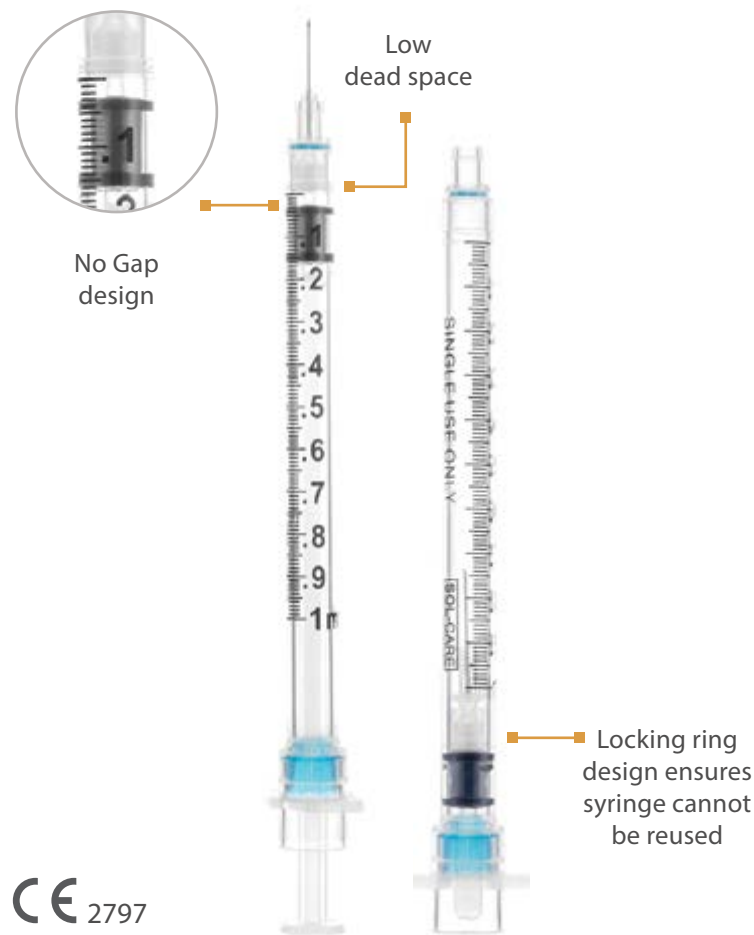
Safety Syringe with Fixed Needle



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 reduces waste and allows for more efficient medication delivery
- Convenient injection solution for key therapeutic areas, such as allergy and immunization
- Clear, bold graduations 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



Retracting the SOL-CARE Safety Syringe:



Push



Pull



Snap

SOL-CARE Safety Syringe with Fixed Needle

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

SOL-CARE™ Safety Insulin Syringe

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



SOL-CARE™ Safety Needle with Syringe

Our SOL-CARE™ Safety Needles are compatible with all standard Luer Lock and Luer Slip Tip syringes. They are an ideal 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 easy identification of needle size
- Bevel up needle for low-angle injections without interference by the safety shield



SOL-CARE™ 1ml Luer Lock Syringe with Safety Needle combo - Low Dead Space

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

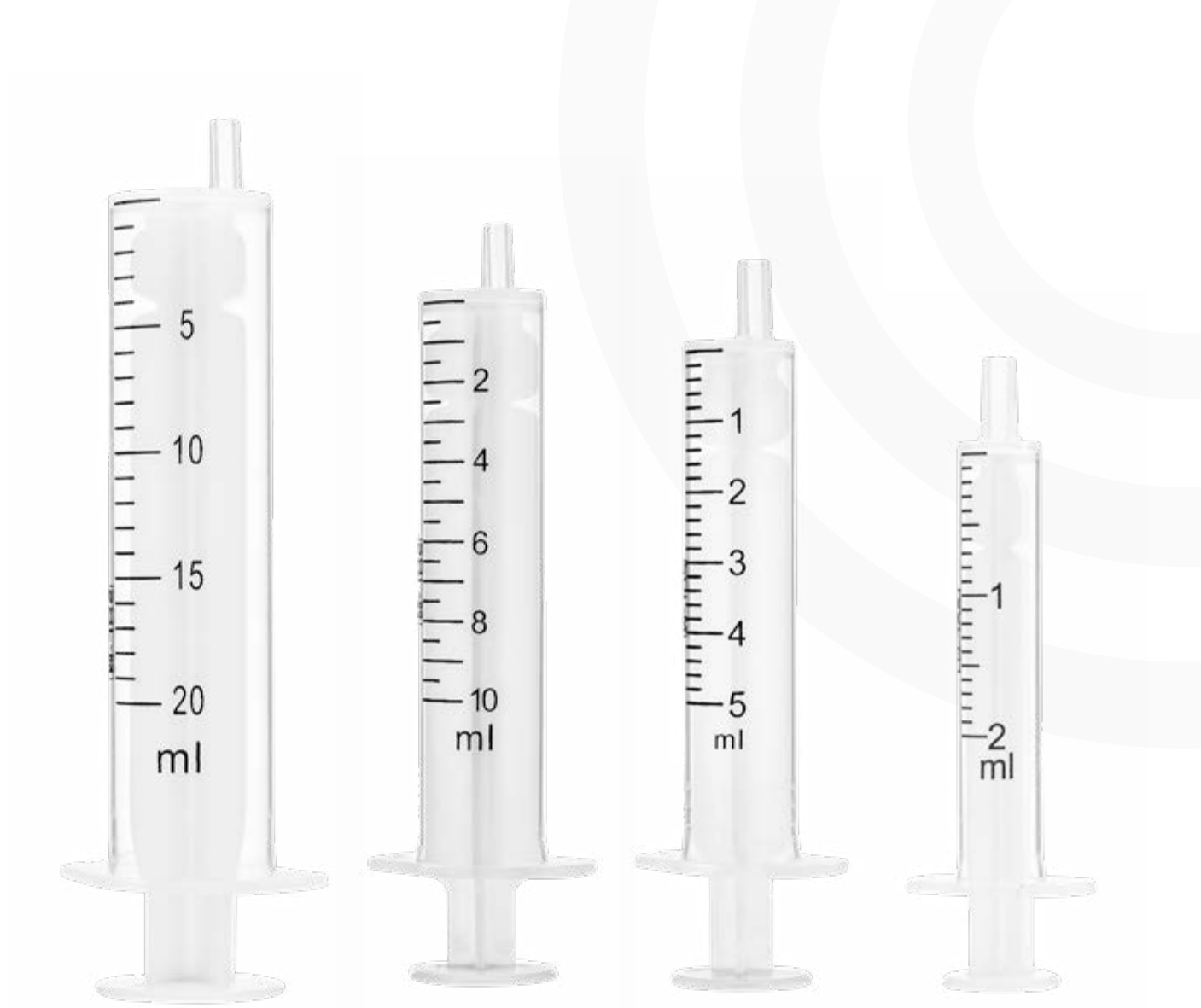
Additional reference and capacities available on request.



CE 2797

SOL-M™ 2-Piece Syringe

- Features:**
- High-transparency barrel – makes it easy to see syringe content.
 - Safe plunger backstop – prevents accidental withdrawal of plunger.
 - Smooth plunger movement – reduces sliding force.
 - Large and stable finger grip – ensures stability and comfort during injection.
 - Black graduation scale – provides ideal contrast and readability.
 - Luer Slip Tip - concentric and eccentric options.
 - Capacity from 2 ml to 20 ml.
 - Made of polypropylene and polyethylene.
 - Not made with natural rubber latex, DEHP or PVC.
 - Sterile and single-use.
 - Sterilization method: ethylene oxide.



SOL-M 2-piece Syringe

Ref. Number	Volume	Case Qty	Box Qty
313001	2 ml	800	100
307005	5 ml	800	100
308003	10 ml	800	100
309003	20 ml	800	100

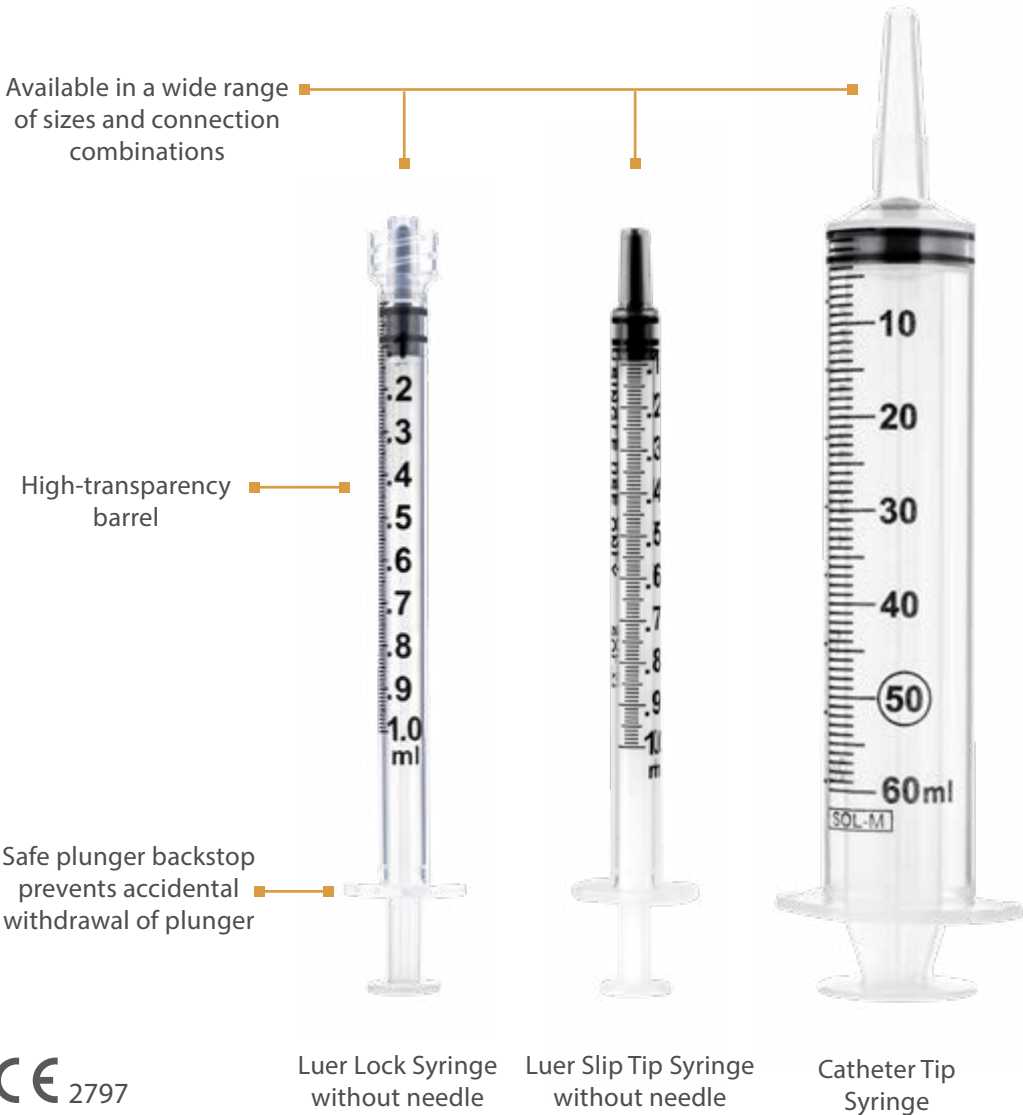


SOL-M™ 3-Piece Syringe

SOL-M™ 3-Piece Syringes accurately measure the quantity of liquid medications and are available in a wide range of sizes and connection combinations to address a wide variety of clinical needs.

Features:

- High-transparency barrel to easily visualize contents
- Silicone lubrication ensures smooth plunger movement
- Plunger backstop that prevents accidental withdrawal of plunger from the barrel
- Large finger grips allow for easy, controlled injections
- Available in Luer Lock, Luer Slip Tip, and Catheter Tip options



				
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	P1800010	P1800010ST	P1800010ET	
20 ml	P1800020	P1800020ST	P1800020ET	
30 ml	P1800030			
60 ml	P1800060		P1800060ET	180060CT
100 ml				180100CT

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



SOL-M Luer Lock Syringe without Needle 3-Piece Syringe

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

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

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

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

* Low Dead Space

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

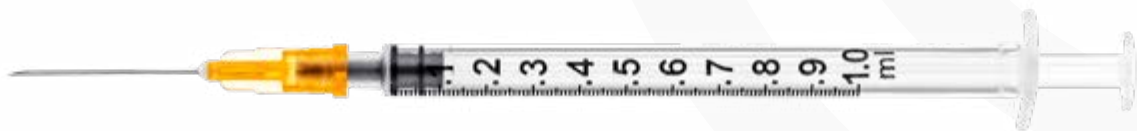
Ref. Number	Volume	Case Qty	Box Qty
P180010ET	10 ml	1200	100
P180020ET	20 ml	800	100
P180060ET	60 ml	240	30

SOL-M Catheter Tip Syringe 3-Piece Syringe - Catheter Tip

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

SOL-M Slip Tip Syringe with Exchangeable Needle - Luer Slip

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



SOL-M Syringe with Fixed Needle

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



SOL-M™ Luer Lock Syringe without Needle - Tray

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



Allergy Syringe Trays

Sol-Millennium's Allergy Syringes are designed for mixing allergenic extracts. They have transparent barrels with bold, easy to read graduations that allow for accurate filling and dosing. They feature a low dead space design and are packaged in sterile convenience trays.

Features:

- Low Dead Space design reduces waste and allows for more efficient medication delivery
- Clear, bold graduations for accurate filling and dosing
- Sterile trays for convenient filling of allergenic extracts
- Needles with Intradermal Bevel on select products



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SOL-M Allergy Syringe

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

*Intradermal Bevel = IDB

SOL-CARE Safety Syringe Allergy Tray

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

*Intradermal Bevel = IDB



SOL-M™ 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, which lowers the risk of medication errors.

Features:

- 3-piece syringe with O-ring and gasket
- Large variety of sizes and colors
- Clear graduation markings for accurate medication delivery
- Not made with natural rubber latex
- Special tip design will not accept Luer connectors, preventing medication errors and the accidental intravenous injections of oral liquids
- Optional amber barrel designed for light-sensitive drugs, in compliance with United States Pharmacopeia (USP) requirements



SOL-M Oral Dispensing Syringe – O-ring Type

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

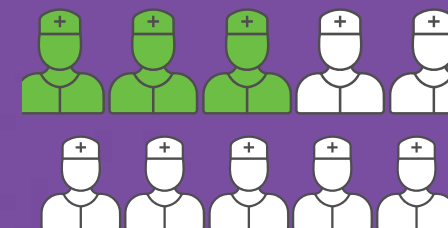
SOL-M Oral Dispensing Syringe – Gasket Type*

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

*Available in 2022



Infusion



In one study, approximately **3 out of 10 healthcare workers had at least one exposure to blood or bodily fluids** in the previous year.

Healthcare workers are exposed to blood and bodily fluids in the workplace through needlesticks, sharps injuries, and splashes into the eyes, nose, or mouth.¹ This puts them at risk of contracting bloodborne pathogens, such as hepatitis C, hepatitis B, and HIV. **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 August 16, 2013)
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.

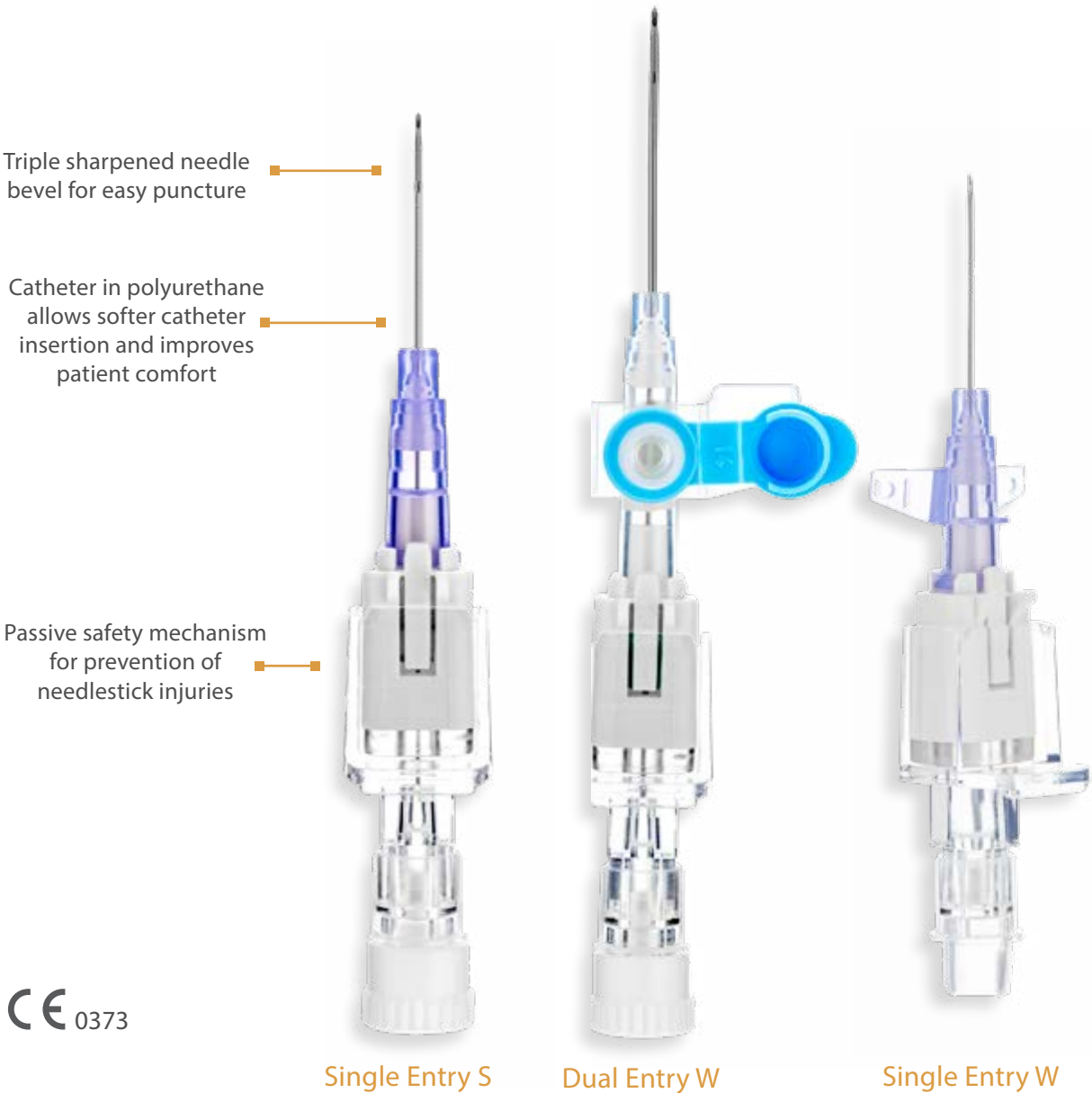


IV Catheter with Protector

IV Catheter is intended for the intravenous delivery of medication- both continuous and intermittent. Available is standard version and also with a safety feature which covers the needle bevel for the prevention of needle stick injuries.

Features:

- Safety device is equipped with an automatic system for covering the tip of the needle to protect the operator from accidental injury.
- Triple sharpened needle bevel for easy puncture.
- Catheter in polyurethane (PUR) allows softer catheter insertion and improves patient comfort.
- Available with wings for stable insertion.
- Wide range of catheter gauges and lengths to meet majority of clinical use, particularly for Neonatology.



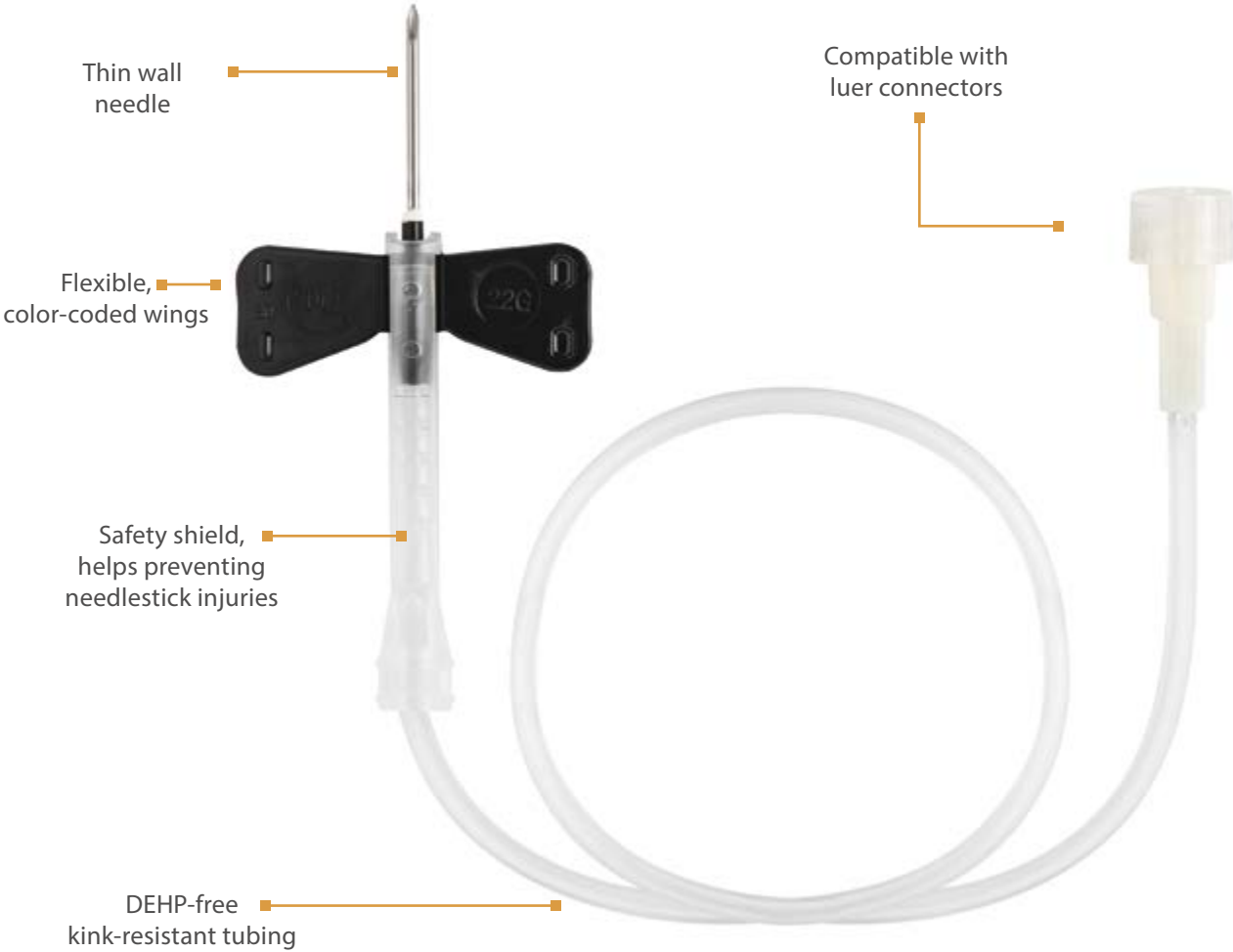
CE 0373

IV Catheter with Protector

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

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 is 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)	Case Qty	Box Qty
213412SI	SOL-CARE Safety Winged Infusion Set 21G x 3/4 x 12inch	21 G	3/4"	19 mm	12"	305mm	200	50
223412SI	SOL-CARE Safety Winged Infusion Set 22G x 3/4 x 12inch	22 G	3/4"	19 mm	12"	305mm	200	50
233412SI	SOL-CARE Safety Winged Infusion Set 23G x 3/4 x 12inch	23 G	3/4"	19 mm	12"	305mm	200	50
253412SI	SOL-CARE Safety Winged Infusion Set 25G x 3/4 x 12inch	25 G	3/4"	19 mm	12"	305mm	200	50

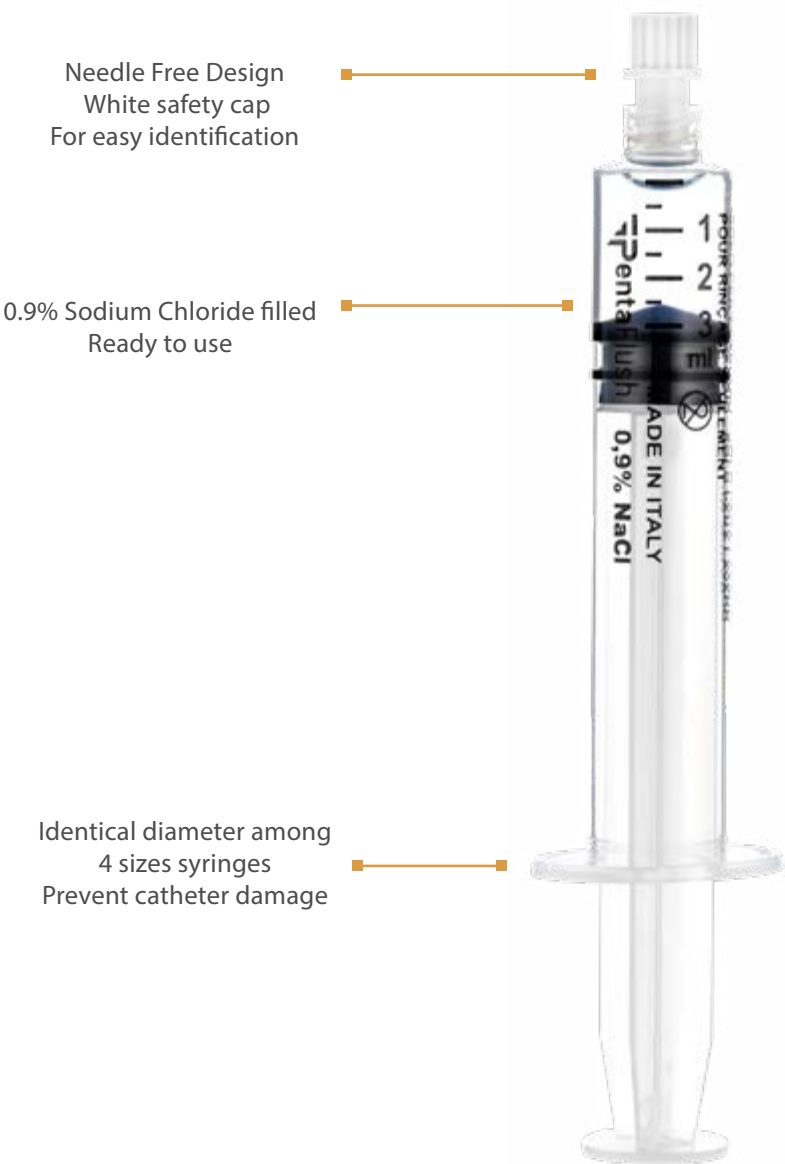


Saline Flush – 0.9% USP Sodium Chloride Injection

Pentaflush Pre-filled Saline Syringe provide ready-to-use saline flush solution for flushing of central and peripheral vascular access device. PentaFlush is a product of PentaFerte Italia.

Features:

- CRBSIs risk reduction
- Bacterial contamination reduction
- Disposal reduction
- Catheter patency maintenance
- Contact prevention of incompatible medications or fluids
- Needlestick injuries avoidance
- Nurse workflow enhancement
- Streamlining of ward procedures



CE 0123

Saline Flush - 0.9% USP Sodium Chloride Injection

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

Suitable for sterile field

- Externally sterile
- Individually packed
- Aluminium pack available for procedural kit
- 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

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

info.EU@sol-m.com
sol-m.com

EMA-MD-273-1121



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Building a Healthier Tomorrow