

Sol M Building a Healthier Tomorrow

INJECTION DEVICES FOR VACCINATION

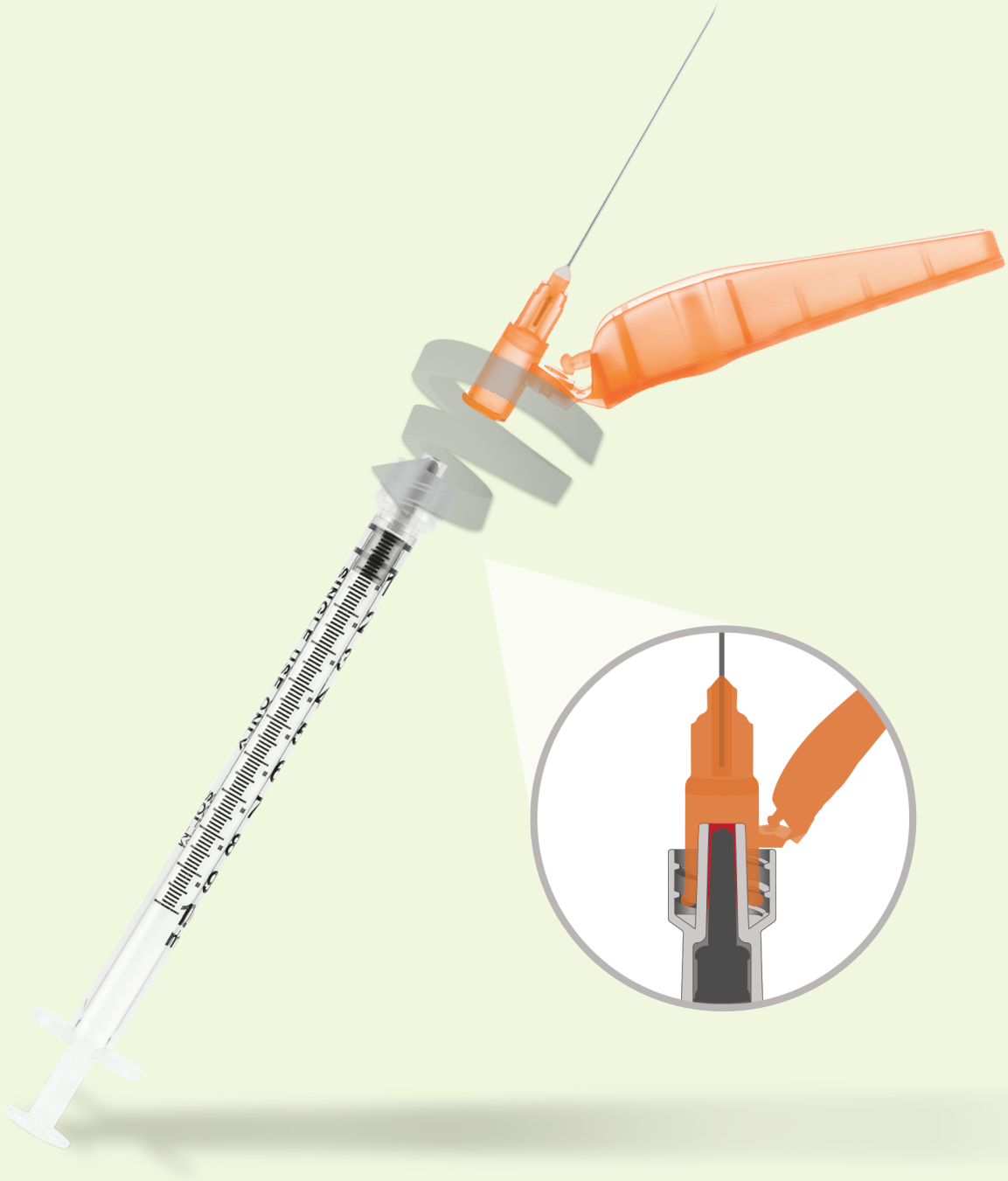
LOW DEAD SPACE NEEDLES

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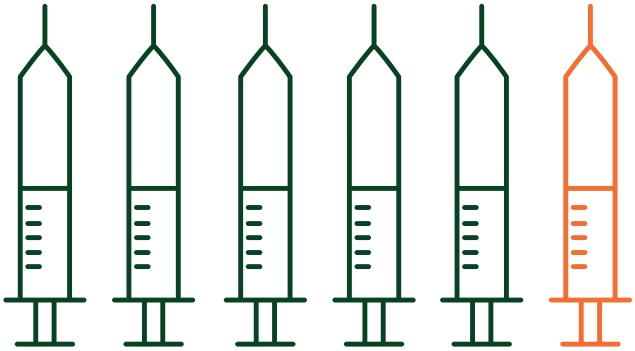
Low Dead Space



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

LOW DEAD SPACE

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]

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.

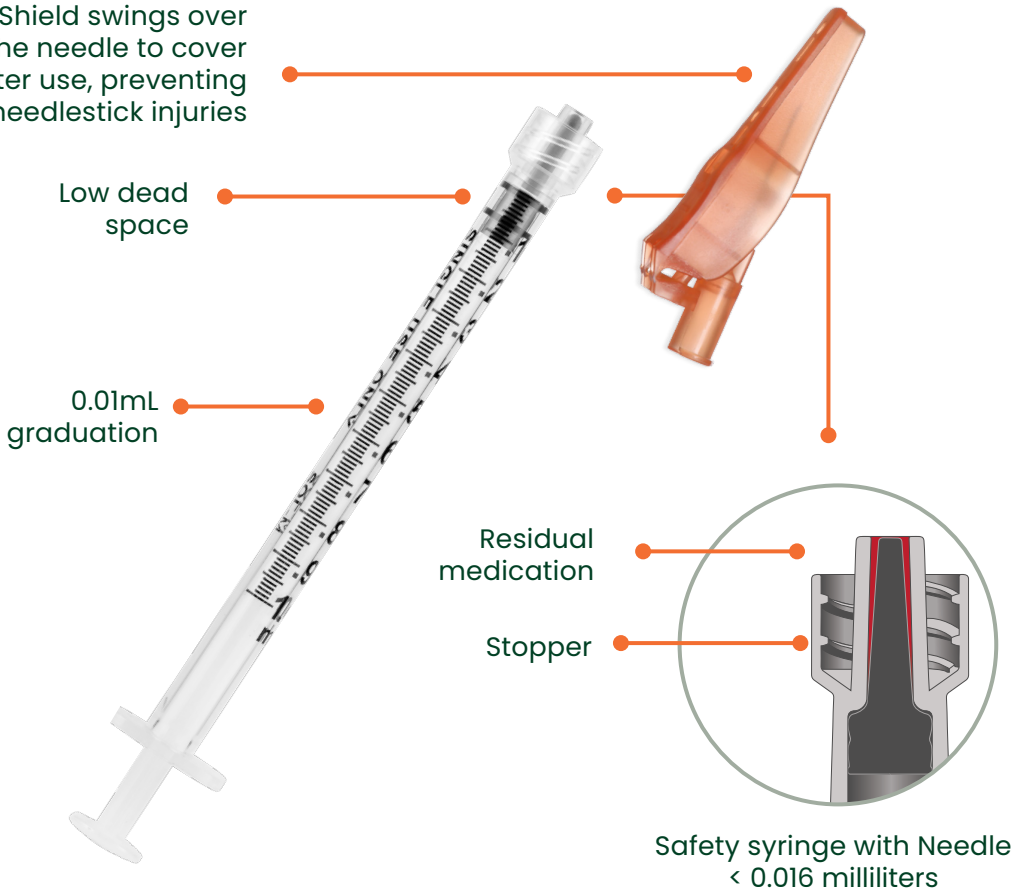
LOW DEAD SPACE

Sol-Care™

Safety Needle with Syringe Combination

Needlestick Injury Prevention

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!



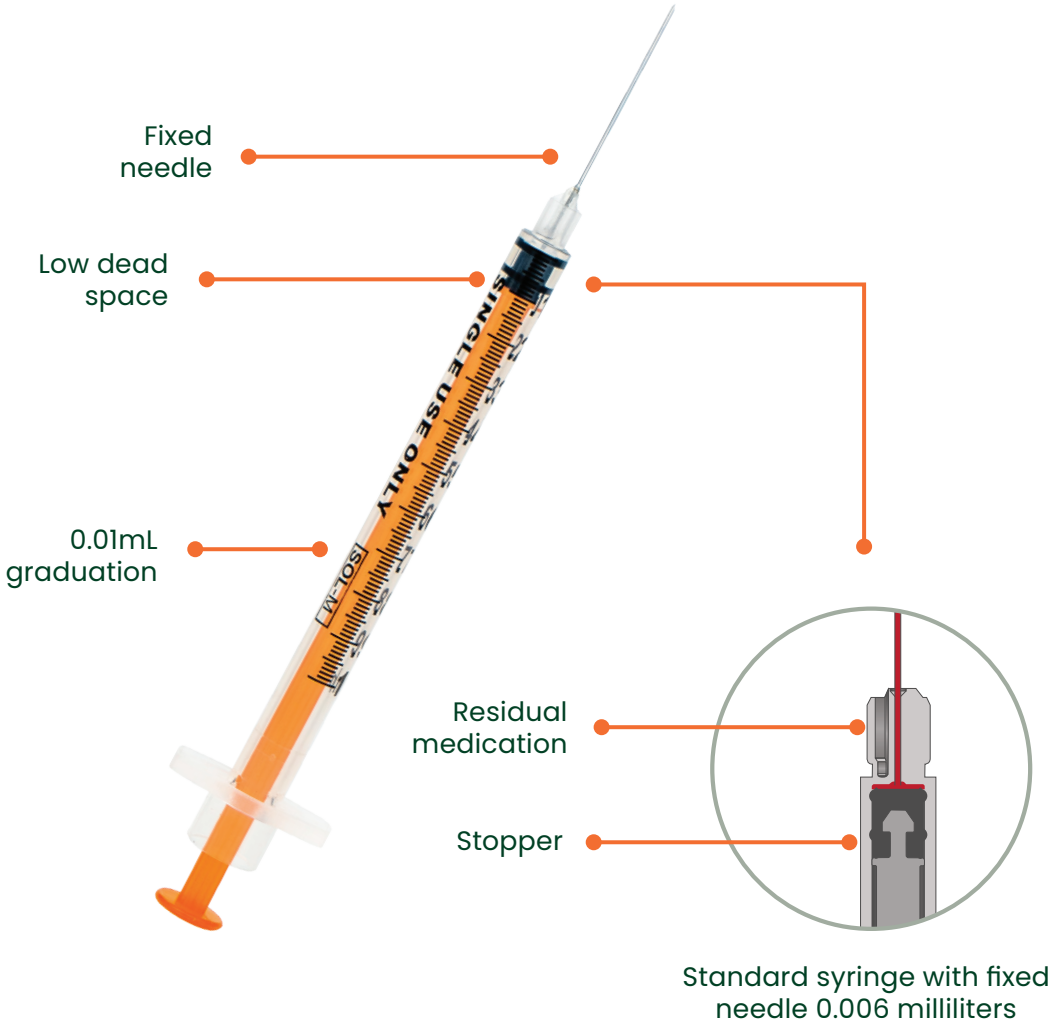
Safety syringe with Needle
< 0.016 milliliters

Sol-Care™ Safety Needle with Syringe Combination

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

Sol - M™

Syringe with Fixed Needle



Sol-M™ Syringe with Fixed Needle

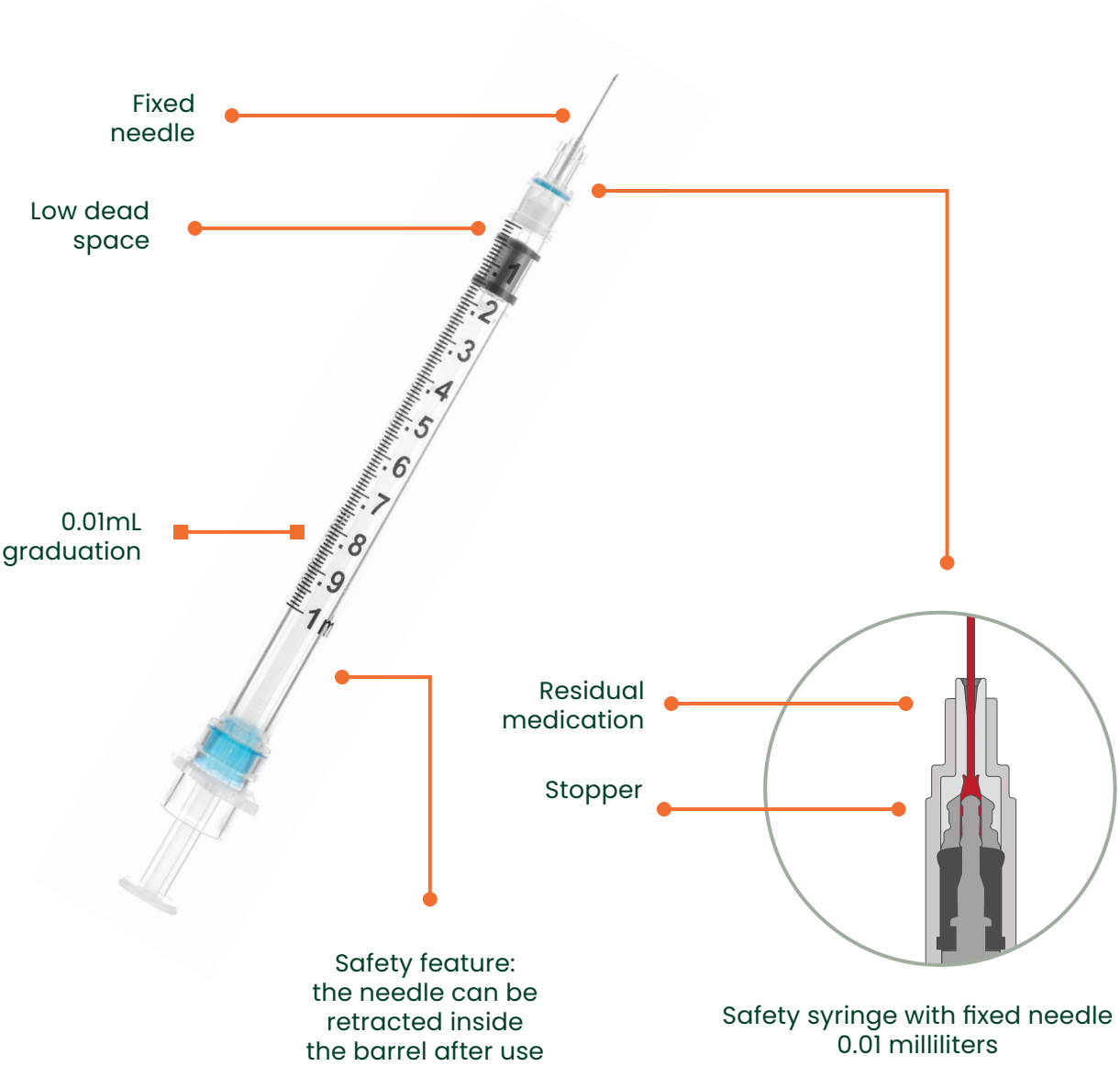
Ref. Number	Volume	Gauge	Needle Length	Average Dead Space	Box	Case
181027	1mL	27G	1/2"	0.006mL	100	800
181025	1mL	25G	5/8"	0.006mL	100	800
182025	1mL	25G	1"	0.006mL	100	800
181023	1mL	23G	1"	0.006mL	100	800

LOW DEAD SPACE

Sol-Care™

Safety Syringe with Fixed Needle

Needlestick Injury Prevention



Sol-Care™ Safety Syringe with Fixed Needle

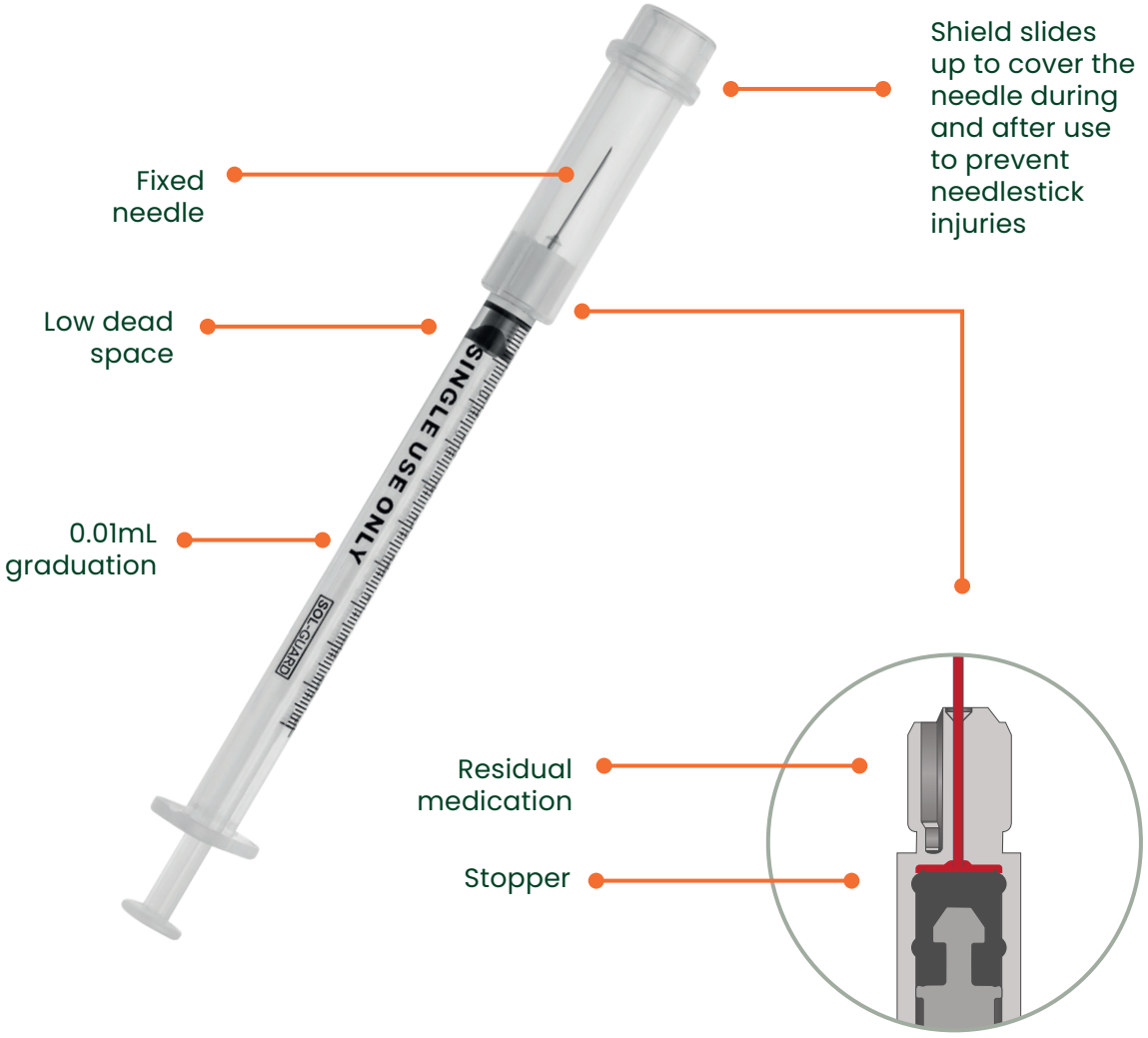
Ref. Number	Volume	Gauge	Needle Length	Average Dead Space	Box	Case
100018IM	1mL	25G	5/8"	0.01mL	100	1,000
100034IM	1mL	25G	1"	0.01mL	100	1,000

Sol-Guard™

Safety Syringe with Fixed Needle

Needlestick Injury Prevention

LOW DEAD SPACE



Safety syringe with fixed needle
0.006 milliliters

Sol-Guard™ Safety TB Syringe with Fixed Needle

Ref. Number	Volume	Gauge	Needle Length	Average Dead Space	Box	Case
200018SG	1mL	25G	5/8"	0.006mL	100	800
200034SG	1mL	25G	1"	0.006mL	100	800

Low Dead Space

Sol-Care™ Safety Needle with Syringe Combination

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

Sol-M™ Syringe with Fixed Needle

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

Sol-Care™ Safety Syringe with Fixed Needle

Ref. Number	Volume	Gauge	Needle Length	Average Dead Space	Box	Case
100018IM	1mL	25G	5/8"	0.01mL	100	1,000
100034IM	1mL	25G	1"	0.01mL	100	1,000

Sol-Guard™ Safety Syringe with Fixed Needle

Ref. Number	Volume	Gauge	Needle Length	Average Dead Space	Box	Case
200018SG	1mL	25G	5/8"	0.01mL	100	800
200034SG	1mL	25G	1"	0.01mL	100	800

Sol-M™ 3-Piece Syringe without Needle

Ref. Number	Volume	Luer Type	Average Dead Space	Box	Case
P180001PP	1mL	Luer Lock	0.006mL	100	800
P180011LDS	1mL	Luer Slip	0.006mL	100	800

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 needlestick injuries

Attach to our Sol-M 3-Piece Syringe with low dead space

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

Sol-Guard™ **Safety TB Syringes**

Safety syringe that helps to prevent needlestick injuries before and after medication delivery

Slide the safety shield to cover the needle after drawing up the medication to activate **Transport Mode**, eliminating the need to recap

Slide and **lock** the safety shield over the needle after medication delivery to reduce exposure to needlestick injuries

Sol M

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Tomorrow

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