

Syringe Basics

Needle Gauge Chart

Gauge	Nominal OD		Nominal ID	
26s	0.019 in.	0.47 mm	0.0050 in.	0.13 mm
26	0.018 in.	0.46 mm	0.0102 in.	0.26 mm
25	0.021 in.	0.51 mm	0.0102 in.	0.26 mm
23s	0.025 in.	0.64 mm	0.0060 in.	0.15 mm
23	0.025 in.	0.64 mm	0.0132 in.	0.34 mm
22s	0.028 in.	0.72 mm	0.0060 in.	0.15 mm
22	0.028 in.	0.72 mm	0.0162 in.	0.41 mm

s (after gauge) = smaller ID with thicker walls

Needle Point Style

Restek offers several different point styles on syringe and needle products. Choose one based on your application.



Point Style 2, BV: beveled needle tip. Recommended for optimum septum penetration and prevention of septum coring.



Point Style 3, LC: square/blunt needle tip. For use with HPLC injection valves and for sample pipetting.



Point Style 5, S/Hole, Bevel: conical needle with side hole. Liquid samples are filled and dispensed through the side hole.



Point Style H, Dome: domed needle tip with side hole. Liquid samples are filled and dispensed through the side hole. The solid tip minimizes septum damage.



Point Style Agilent, Cone, AS: special conical style needle point used exclusively on syringes for autosamplers.

did you know?

Syringes and needles manufactured by Hamilton Company and SGE are intended for scientific research and laboratory use only and are not intended for human *in vivo* use.

also available

We can supply many additional sizes. Call us if you don't see exactly what you need.

Guide to Needle Termination Codes

Hamilton:

- (N) Cemented Needle
- (RN) Removable Needle
- (ASN) Autosampler Cemented Needle
- (ASRN) Autosampler Removable Needle
- (TLL) Teflon® Luer Lock
- (KH) Knurled Hub
- (LT) Luer Tip
- (LTN) Luer Tip Cemented Needle

SGE:

- (F) Fixed Needle
- (R) Removable Needle
- (LL) Luer Lock
- (LT) Luer Tip

NORM-JECT® Plastic Syringes

NORM-JECT® syringes are latex-free, contain no rubber, no silicone oil, styrene or DEHP and are DNA-free. These syringes are the choice for any situation needing an inert, nonreactive syringe. Because of their composition, they are ideal for chromatography and many other laboratory procedures. They are more chemically resistant than rubber-tipped syringes and are manufactured from only laboratory grade polypropylene and polyethylene. These unique plastic syringes have a positive safety stop to prevent accidental spills. NORM-JECT® syringes are individually sterile strip packed.



Description	qty.	cat.#	price
1mL Luer Slip Tuberculin ¹	100-pk.	22766	
3mL Luer Slip Centric Tip	100-pk.	22767	
5mL Luer Slip Centric Tip ²	100-pk.	22768	
10mL Luer Slip Eccentric Tip ²	100-pk.	22769	
20mL Luer Slip Eccentric Tip ²	100-pk.	22770	
30mL Luer Slip Eccentric Tip	50-pk.	22771	
50mL Luer Slip Eccentric Tip ²	30-pk.	22772	
3mL Luer Lock Tip	100-pk.	22773	
5mL Luer Lock Tip ²	100-pk.	22774	
10mL Luer Lock Tip ²	100-pk.	22775	
20mL Luer Lock Tip ²	100-pk.	22776	
30mL Luer Lock Tip	50-pk.	22777	
50mL Luer Lock Tip ²	30-pk.	22778	



Great for use with Restek syringe filters!
See page 399.

Barrel - Polypropylene

Plunger - Polyethylene



NOTE: Plastic syringes are for laboratory use only.

¹Dose saver design with low dead space plug on the piston to minimize waste.

²The 5mL has graduations to 6mL, 10mL has graduations to 12mL, 20mL has graduations to 24mL and 50mL has graduations to 60mL.