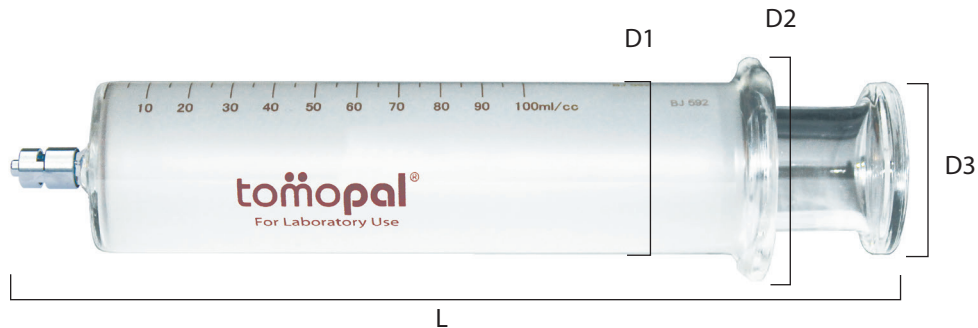


100ml Glass Syringe - Laboratory with metal luer lock



| Tomopal Part # | 130-4600 |
|----------------|----------|
|----------------|----------|

| | |
|-------------------------------------|--------------------------|
| Piston Outside Diameter: | 34.20 mm ± 0.25 mm |
| D1) Barrel Diameter Outside: | 38.50 mm ± 0.75 mm |
| D2) Barrel Collar Diameter: | 51.25 mm ± 0.75 mm |
| D3) Piston Collar Diameter: | 37.40 mm ± 0.65 mm |
| L) Length: | 222.00 mm ± 0.65 mm |
| Increment: | 5.0 ml |
| Volume: | 100.0 ml ±1.5% of volume |

Features:

- The syringe is made from heat resistant borosilicate glass.
- The material and construction is resistant to breakage from shock and sudden temperature changes.
- It is annealed and tested until free of internal strain, to withstand repeated washing with hot water.
- Reinforced at luer lock tip and barrel base, the points at which most breakage occur.
- Plunger is individually ground and fitted to barrel for smooth movement with no back flow.
- Barrel rim is flat on both sides to prevent rolling and is wide enough for convenient finger tip grip.
- The syringes are available in custom fit design. The custom fit syringes are uniquely numbered for matching piston and barrel.
- The metal luer lock tip meets the specification of American National Standards for Medical Materials luer taper fitting performance, HIMA MD 70.1 - 1983.
- The metal luer lock fitting is made from nickel-plated brass and fits all female luer lock fittings.
- The syringe is clearly marked with graduations of 5.0 ml and 10.0 ml. The graduations are permanently fused for lifetime legibility.

Glass Properties:

| | |
|-------------------------------|---|
| Expansion coefficient: | 52 +/- 10 ⁻⁷ / Centigrade |
| Density: | 2.33g +/- 0.03g CM ³ |
| Modulus of elasticity: | 64 +/- 10 ³ mm ⁻² |
| Water resistance: | First Class |
| Acid resistance: | First Class |
| Alkali resistance: | First Class |

| | |
|-----------------------------|---------------------------|
| Softening point: | 760 @ degrees centigrade |
| Melting temperature: | 1250 @ degrees centigrade |
| Strain point: | 500 @ degrees centigrade |
| Annealing point: | 545 @ degrees centigrade |
| Hardness: | 7 |
| Color: | Clear |