

DISPENSER SYRINGES

1mL - 25mL

SGE Dispenser syringes, in volumes 1mL-25mL, are easily integrated into an existing dispenser system. This, combined with their excellent solvent resistance and SGE's expert dispensing technology make them useful in a multitude of applications.

When dispensing reagents in automated sample preparation, the final results will invariably rest on the performance of the dispensing syringe. SGE now has a complete range of dispenser syringes designed to overcome the common problems of premature plunger tip wear and dispensed volume discrepancies.

STANDARD FEATURES

- Ensures system compatibility
- 60mm scale length
 - 6-32 UNC thread at the rear of the plunger
 - Standard plunger and barrel lengths
 - Luer Lock termination
 - Gas tight (Teflon® tip plungers)

UNIQUE FEATURES

Ensures reliable, trouble free operation

• Long life Teflon plunger tips

SGE solves the problem of plunger misalignment or "wobble" which will wear the plunger tip unevenly and cause premature leakage. The plunger lead-in section at the top of the barrel ensures the plunger enters perfectly aligned and operates smoothly. The ultra fine Teflon used for tip manufacture also reduces flaking during pumping

• Teflon front fitting matched precisely to the bevelled plunger tip face

This creates a gas tight seal against the face, reduces bubble formation and dead volume, as well as ensuring there is no carry over from sample to sample.

• A new tougher and chemically inert Teflon copolymer coating of the plunger stem

• Wide bore luer cone to improve liquid flow. This reduces flow restriction and the possibility of dispensing errors

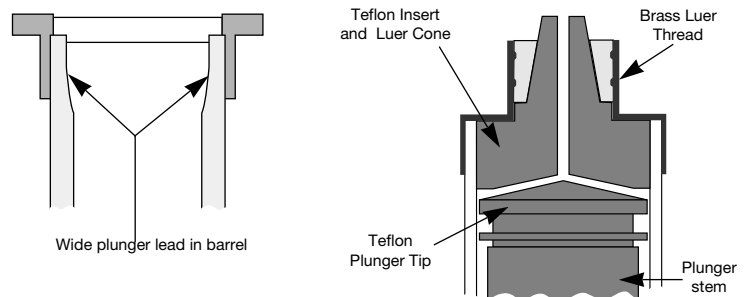
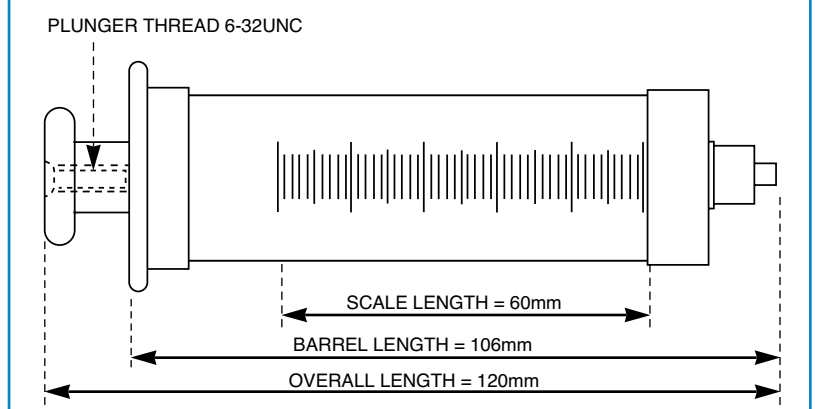


Illustration of 25mL removable Luer Lock syringe



SPECIFICATIONS

Temperature Range	
Removable Luer Lock syringes	5°C-100°C
Fixed Luer Lock syringes	5°C-70°C
Sterilization mode	Autoclave (plunger removed) Gas (ethylene oxide)
Solvent Compatibility	Avoid prolonged contact with strong acids, bases and polar solvents
Barrel Length	106mm
Overall Length	120mm
Scale Length	60mm
Rear flange thread	6-32 UNC female
Front thread (Removable luer lock only)	7/16 UNEF male

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APPLICATIONS

- Clinical chemistry analyzers
- Haematology analyzers
- Immunodiagnostic analyzers
- Electrolyte analyzers
- Blood gas analyzers
- Bilirubinometers
- Osmometers
- Radioimmunoassays
- ELISAs

OTHER CONNECTIONS

The Luer Lock fitting can be removed from syringes 5mL-25mL to enable a variety of other connections to extend the function to other applications.

The following valves can be used with removable Luer Lock dispenser syringes:

SYRINGE VOLUMES	VALVE DESCRIPTION	VALVE P/N
5mL-25mL	Push-Pull Needle valve with removable 1.07mm OD (19 gauge) needle	031908
	Push-Pull Luer terminated valve	031909
	Push Button Luer terminated valve	031910
	Septum valve	031911

Luer lock needles are available in lengths between 50-115mm and gauges 14-24

SYRINGE ORDERING INFORMATION

SYRINGE PART NO.	CODE	DESCRIPTION	REPLACEMENT PLUNGER PART NO.
008025	1MDF-LL-GT	1mL fixed Luer Lock gas tight	031842
008425	2.5MDF-LL-GT	2.5mL fixed Luer Lock gas tight	031852
008760	5MDR-LL-GT	5mL removable Luer Lock gas tight	031856
008960	10MDR-LL-GT	10mL removable Luer Lock gas tight	031862
009462	25MDR-LL-GT	25mL removable Luer Lock gas tight	031870

Contact your SGE office or distributor for details or visit <http://www.sge.com>

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