

# KDS Disposable Plastic Syringes



KD Scientific offers a new line of disposable Plastic Sterile Syringes for all Scientific applications. Available in sizes ranging from 1ml to 50ml with Luer Lock (LL) or Luer Slip (LS) Tip. Norm-ject syringes are the ideal solution for any situation. Their unique two-part system is latex free and contains no silicone lubricant or rubber.

Our syringes are made from laboratory grade polypropylene and polyethylene. There is no rubber tip on plunger making them more chemically resistant than rubber tipped syringes. These unique plastic syringes have a positive safety stop to prevent accidental spills.

Syringes are sterile packed and disposable. Luer Slip tips up to 5ml have a centric tip 10ml and larger have eccentric tip. Syringes are latex free, contain no rubber, silicone, oil, styrene or DHP.

Clear transparent barrel for better visual inspection. Clear and inerasable graduation permits easy reading and convenient for accurate delivery. Leakage proof plunger guarantees an excellent sliding performance.

All syringes are FDA registered, CE Mark and ISO9001 certified.

KD scientific also offers a family of syringe pumps to meet all applications. The full line of KDS pumps include a simple syringe dispense only pump, a multi-syringe infuse and withdrawal pump, push and pull pumps, continuous pumps for uninterrupted fluid delivery, nanoliter pumps, emulsifier, high pressure and custom OEM pumps..

**NOTE:** KD Scientific syringes are for laboratory use only.

## Benefits

- Sterile Packed and Disposable
- Compatible with Most Syringe Pumps
- Disposable Substitute for Glass Syringes
- No Silicone Lubricant or Rubber
- Economical

## Features

- Clear, Easy to Read
- Graduations for Accuracy
- Smooth Drawing
- Safety Stop to Prevent Plunger Separation
- Polypropylene-Luer Lock
- Polyethylene/Polypropylene Luer Slip
- Tested as Sterile and Pyrogen Free
- FDA Registered, CE Mark and ISO9001 Certified

## Applications

- Infusing
- Dispensing Reagents
- Sampling
- Withdrawing Fluids

## Markets

- Pharmaceutical
- Biotech
- Chemical
- Petrochemical
- Neuroscience
- Research and Development
- Government
- Food and Beverage



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## Specifications

### Luer Lock Pkg. of 25

Order Code	78-0851	78-0852	78-0853	78-0854	78-0855	78-0856
Volume cc	3 cc luer lock	5 cc luer lock	10 cc luer lock	20 cc luer lock	30 cc luer lock	50 cc luer lock
Total length (mm)	74.9	87	98.5	115.1	132.5	150.0
Length of Cylinder (mm)	65.1	73.8	85.3	102.4	105.2	120.3
Outside Diameter (mm)	10.8	13.7	17.3	21.55	24.1	30.9
Inside Diameter (mm)	9.65	12.45	15.9	20.05	22.9	29.2
Nozzle Configuration	Centric	Centric	Centric	Centric	Centric	Centric

Dose saver design with 0.025 low dead space plug on the piston to minimize waste.

The 5 cc has graduations to 6 cc, 10ml has graduations to 12 cc, 20 cc has graduations to 24 cc and 50 cc has graduations to 60 cc.

### Slip Lock Pkg. of 25

Order Code	78-0850	78-0857	78-0858	78-0859	78-0860	78-0861	78-0862
Volume cc	1 cc tuberculin	3 cc slip lock	5 cc slip lock	10 cc slip lock	20 cc slip lock	30 cc slip lock	50 cc slip lock
Total length (mm)	94.8	74.9	87	98.5	115.1	132.5	150.0
Length of Cylinder (mm)	84.7	65.1	73.8	85.3	102.4	105.2	120.3
Outside Diameter (mm)	6.4	10.8	13.7	17.3	21.55	24.1	30.9
Inside Diameter (mm)	4.69	9.65	12.45	15.9	20.05	22.9	29.2
Nozzle Configuration	Tuberculin	Centric	Centric	Eccentric	Eccentric	Eccentric	Eccentric

The 5 cc has graduations to 6 cc, 10ml has graduations to 12 cc, 20 cc has graduations to 24 cc and 50 cc has graduations to 60 cc.

Total length is piston thumb rest to syringe tip on an assembled syringe. Cylinder Length is cylinder only, finger grip to tip. The barrel is polypropylene, piston is high density polyethylene.

### Special Products Pkg. of 30

Order Code	Pkg. of	Product
78-0863	5 each	Slip Lock 3, 5, 10, 20, 30, 50 cc syringe

Order Code	Pkg. of	Product
78-0864	5 each	Luer Lock 3, 5, 10, 20, 30, 50 cc syringe

Single use 2-part syringes contain for function and purpose the following essential components:

#### Barrel with:

- Graduation in ml for volume dosage
- Centric or Eccentric Luer cone for attachment of needle
- Centric Luer Lock cone for the attachment of needle or for connection with other devices
- Oval grip plate for the application of the syringe and for prevention of rolling
- Positive stop at distal end of syringe to prevent unintentional withdrawal of plunger from barrel

#### Plunger with:

- Grip plate for pulling and pushing the plunger
- Plunger as a component of the piston

#### Precautions for use:

- Destroy after single use
- Sterile only in unopened undamaged individual package

#### Storage Condition:

- Store at room temperature, protect against moisture and sunlight

#### Sterilant Information:

- **(Type of gas and composition)**
  - Ethylene Oxide 90%
  - Carbon Dioxide 10%
- **Humidity** 85-100% RH
- **Concentration of Sterilant** 390 mg/l
- **Pressure** under pressure cycle
- **Temperature** 50 - 55C

Revision C All specifications subject to change at anytime.