



BD

TECHNICAL DATA SHEET

BD MEDICAL/SURGICAL SYSTEMS
Franklin Lakes, NJ 07417

DISPOSABLE SINGLE-USE SYRINGES

GENERAL INFORMATION

◇ MATERIALS

Barrels, plunger rods, tip shields.....POLYPROPYLENE
Stoppers.....LATEX FREE ELASTOMER (POLYISOPRENE)
Lubricant.....SILICONE

◇ RADIATION STERILIZED/QUALIFIED

◇ VOLUMETRIC ACCURACY..... +/- 5%

*For 1ml or smaller, accuracy below 0.2ml is +/- 0.07ml

◇ PRINT: PERMANENT TYPE BLACK INK (except U-40 insulin-red)

*Resistant to haemosol, water, 70% isopropyl & 70% ethyl alcohols

◇ PRESSURE RATING.....will withstand 45psi of water for 10 seconds (ANSI/ISO)

◇ TIP DIMENSIONS:

I.D.
0.071"/1.775mm

O.D.
0.155" - 0.170"/3.875mm - 4.250mm
6% taper tip/0.25" back (ANSI/ISO)

LENGTH
0.30" - 0.35"/7.5mm - 8.75mm

THREAD
Double start, right hand, 5mm lead
Internal diameter between threads.....0.311"/7.9mm
Internal diameter at threads.....0.279"/7.09mm

DEAD SPACE (maximum, w/o needle)

SYR. SIZE	1ml	3ml	5ml	10ml	20ml	30ml	60ml
VOLUME	0.07ml	0.07ml	0.075ml	0.10ml	0.15ml	0.17ml	0.20ml

STANDARDS INFORMATION

ALL SYRINGES MEET or EXCEED THE FOLLOWING STANDARDS:
ISO 7886-1 - Sterile Hypodermic Syringes for Single Use
ISO 7886-2 - Sterile Hypodermic Syringes for Single Use in pumps
ISO 594-1 & 2 - Conical Fittings with 6% Luer Taper for Syringes

SCALE MARKINGS	MAJOR GRAD. (each)	MINOR GRAD. (each)	SECONDARY SCALE (ounces)
1ml U-40 insulin, short type	5 units	1 unit	No
1ml Tuberculin	1/10ml	1/100ml	No
1ml Insulin U-100	10 units	2 units	No
1ml Insulin U-40	5 units	1 unit	No
3ml	1/2ml	1/10ml	No
5ml	1ml	1/5ml	No
10ml	1ml	1/5ml	No
20ml	5ml	1ml	3/4oz. in 1/8s
30ml	5ml	1ml	1oz. in 1/8s
60ml	10ml	1ml	2oz. in 1/4s

MSDS: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION - SECTION 1

Company Identification:

Becton Dickinson
1 Becton Drive
Franklin Lakes, NJ 07417-1885

Products:

301073

The above items are classified as an "article" under the OSHA Hazard Communication Standard and do not require a Material Safety Data Sheet.

The OSHA Hazard Communication Standard defines an article as a manufactured item:

- (i) Which is formed to a specific shape or design during manufacture;
- (ii) Which has end use function(s) dependent in whole or in part upon its shape or design during end use;
- (iii) Which does not release, or otherwise result in exposure to a hazardous chemical, under normal conditions of use.

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