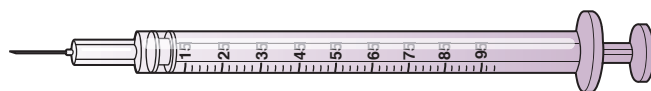
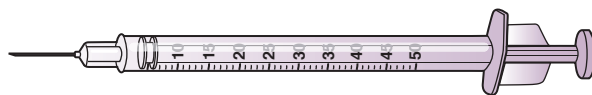


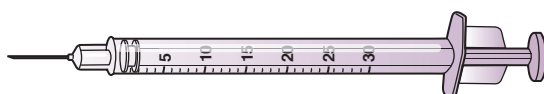
One side of U-100 insulin syringe



Other side of U-100 insulin syringe



U-50 insulin syringe



U-30 insulin syringe

**FIGURE 10-26:** Insulin syringes are available in the following sizes: U-100, U-50, and U-30.

**TABLE 10.1** Syringes and Uses

Syringe Type	Calibration and Capacity	Sample Use
Tuberculin	One line = 0.01 mL Capacity = 1 mL	Tuberculin testing or other ID injections Newborn and pediatric dosages
Insulin	One line = 2 mL Capacity = 100 units	Insulin administration
Standard	Varies with size	IM injections

**TABLE 10.2** Parenteral Injections

Type	Depth	Injection Volume	Usual Needle Size	Angle
IM (deltoid)	Muscle	0.5 to 1 mL	23 to 25 gauge 5/8 inch	90°
IM (ventrogluteal)	Muscle	1 to 2 mL	18 to 23 gauge 1 1/4 to 3 inch	90°
IM (vastus lateralis in adult)	Muscle	1 to 2 mL	20 to 23 gauge 1 1/4 to 1 1/2 inch	90°
IM (vastus lateralis in child)	Muscle	0.5 to 1 mL (Maximum 1 mL in infants and 2 mL in child)	23 to 25 gauge 5/8 inch to 1 inch	90°
IM (dorsogluteal)	Muscle	1 to 2 mL	18 to 23 gauge 1 1/4 to 3 inch	90°
SC (various sites)	Subcutaneous tissue	Up to 1 mL	25 to 29 gauge 5/8 inch	45°
ID (various sites)	Under the epidermis	0.1 to 0.2 mL	25 to 27 gauge 5/8 inch	10° to 15°

Note: this information addresses the typical patient. Make adjustments based on individual patient assessment.