

	Types of Insulin	Onset	Maximum Effect	Duration	Available Forms	Storage
1	Humalog (Lispro) U100	0-15 Minutes	30-90 Minutes	3-5 Hours	Lilly: Vial 10 mL, KwikPen 3 mL, Penfill cartridge 3 mL; Humalog Kwikpen JR. 3 mL with 1/2 unit dosing	Once in use 28 days (Once in use, do not store pen in refrigerator) Stable in Tandem pump for 48 hours
2	Humalog (Lispro) U200	0-15 Minutes	30-90 Minutes	3-5 Hours	Lilly: 3 mL Kwikpen only, 2 pens per box	Once in use 28 days (Once in use, do not store pen in refrigerator)
3	NovoLog (Aspart) U100	10-20 Minutes	60-120 Minutes	3-5 Hours	NovoNordisk: 10 mL vial, 3 mL Flexpen 3 mL Penfill, 3 mL Flextouch	Once in use 28 days
	Fiasp (aspart plus Vit B3 + arginine)	2.5 minutes; give pre or post meal	30-90 minutes	3-5 hours	NovoNordisk: 10 mL vial, 3 mL Flexpen	Once in use 28 days
4	Apidra (Glulisine) U100	15 Minutes	1 Hour	2-4 Hours	Sanofi: 3 mL Solostar Pen, 10 mL vial	Once in use 28 days Stable in Tandem pump for 48 hours
5	Humulin R or Novolin R Regular U100	1/2-1 Hours	2-3 Hours	Novolin R: up to 8 Hours Humulin R: 4-12 hours	Lilly (Humulin): 3 mL pen or 10 mL Vial NovoNordisk (Novolin): 10 mL Vial Reli on (WalMart) 10 mL Vial	Once in use 31 days
6	Humulin R U500	1/2-1 Hours	2-3 Hours	Novolin R: up to 8 Hours Humulin R: 4-12 hours	Lilly: 3 mL Kwikpen (1500U) 20 mL Vial (10,000U)	(Once in use, do not store pen in refrigerator) vial 40 days, pen 28 days
7	Humulin N or Novolin N NPH U100 (human insulin isophane suspension)	1.5-4 Hours	4-12 Hours	up to 24 Hours	Lilly: 10 mL Vial, 3 mL Kwikpen NovoNordisk: 10 mL Vial, Reli on (WalMart) 10mL Vial	Vial-Humulin N: 31 days; Novolin N: 42 days Pen: Once in use 14 days Do not Refrigerate once opened
8	Levemir (Detemir) U100	0.8-2 Hours	3.2-9.3 Hours (Dose Dependent)	Up to 24 Hours	NovoNordisk: 3 mL FlexPen, 10 mL Vial	Vial: Once in use 28 days Pen: Once in use 42 days

	Types of Insulin	Onset	Maximum Effect	Duration	Available Forms	Storage
9	Lantus (Glargine) U100	1-2 Hours	Flat	24 Hours	Sanofi: 10 mL Vial, 3 mL Solostar pen	Once in use 28 days Can store opened vial or pen at room temp or refrigerate
10	Toujeo (Glargine) U300	1-2 Hours	Flat - median time to max 12-16 hours	36+ Hours Steady state reached at 5 days	Sanofi: 1.5 mL Solostar pen 300 u/mL 450u/1.5 mL pen 3 pens per box	Do not refrigerate once opened, 42 days
11	Basaglar (Glargine) U100	same as Lantus	same as Lantus	same as Lantus	Lilly: 3 mL Kwikpen 100U/mL 5 pens per box	Do not refrigerate once opened, 28 days
12	Tresiba (Degludec) U100 & U200	1 Hour	Peak concentration at 9 hours	Steady state at 3-4 days	NovoNordisk: U100, 100U/mL, 3 mL FlexTouch pen (300 units), max dose 80 units U200, 200U/mL, 3 mL FlexTouchpen (600 units), max dose 160 units, 5 pens per box, dials in 2U increments	Do not refrigerate once opened, 56 days
13	Humulin or Novolin 70/30	70% Isophane Suspension (intermediate acting insulin) 30% Regular			Lilly: 10 mL Vial, 3 mL KwikPen NovoNordisk: 10 mL Vial Reli on (WalMart) 10 mL Vial	Vial: Once in use 28 days Pen: Once in use 10 days
14	Humalog Mix 50/50	50% Lispro Protamine Suspension (NPL) (intermediate acting) 50% Humalog			Lilly: 10 mL Vial, 3 mL Kwikpen	Vial: Once in use 28 days Pen: Once in use 10 days
15	Humalog Mix 75/25	75% Lispro Protamine Suspension (NPL) (intermediate acting) 25% Humalog			Lilly: 10 mL Vial, 3 mL Kwikpen	Vial: Once in use 28 days Pen: Once in use 10 days
16	NovoLog Mix (70/30)	70% Aspart Protamine Suspension (intermediate acting) 30% NovoLog (Patients to discard pen when there is 12 units of insulin or less.)			NovoNordisk: 3 mL FlexPen, 10 mL Vial	Vial: Once in use 28 days Pen: Once in use 10 days
17	Ryzodeg Mix 70/30 (degludec/aspart)	70% Degludec U100 30% Aspart			NovoNordisk: 3 mL FlexTouch pen U100, 100U/mL	28 days

	Types of Insulin	Onset	Maximum Effect	Duration	Available Forms	Storage
	Insulin/GLP-1 Combinations	Medications			Available Forms	Storage
1	Soliqua (Sanofi) 100/33	U100 Glargine/Lixisenatide 0.33 mcg per unit For doses of 15 to 60u			3 mL pens, pkg of 5 pens	Once opened, 14 days
2	Xultrophy (NovoNordisk) 100/3.6	U100 Degludec/Liraglutide 3.6 mg/mL For doses 16-50u			3 mL pens, pkg of 5 pens	Once opened, 21 days