

Epocrates® – Insulin Product Comparisons – Full Insulin Table

rapid-acting insulin	onset/peak/ duration	how supplied	compatibility
insulin aspart 100 units/mL (Fiasp)	o: 2.5min p: 63 min d: 5-7h	- PenFill U-100 cartridge: 100 units/mL - FlexTouch U-100 pen: 100 units/mL - U-100 vial: 100 units/mL	don’t mix w/ any insulin in syringe or pump; don’t mix w/ any diluent in pump
insulin aspart 100 units/mL (NovoLog)	o: <0.25h p: 1-3h d: 3-5h	- PenFill U-100 cartridge: 100 units/mL - FlexPen U-100 pen: 100 units/mL - U-100 vial: 100 units/mL	may mix w/ intermediate-acting insulin in syringe; don’t mix w/ any insulin or diluent in pump
insulin glulisine 100 units/mL (Apidra)	o: <0.5h p: 0.5-1.5h d: <6h	- SoloStar U-100 pen: 100 units/ mL - U-100 vial: 100 units/mL	may mix w/ intermediate-acting insulin in syringe; don’t mix w/ any insulin or diluent in pump
insulin inhaled (Afrezza)	o: 0.2h p: 0.6-0.9h d: 1.5-4.5h	convenience packs: 4-unit 8-unit 12-unit 4-unit/8-unit 4-unit/8-unit/12-unit	
insulin lispro 100 units/mL (generic)	o: <0.5h p: 0.5-1.5h d: <6h	- KwikPen U-100 pen: 100 units/mL - U-100 vial: 100 units/mL	may mix w/ intermediate-acting insulin in syringe; don’t mix w/ any insulin or diluent in pump
insulin lispro 100 units/mL (Admelog)	o: <0.5h p: 0.83h d: <6h	- SoloStar U-100 pen: 100 units/mL - U-100 vial: 100 units/mL	don’t mix w/ any insulin or diluent in syringe or pump
insulin lispro 100 units/mL (Humalog)	o: <0.5h p: 0.5-1.5h d: <6h	- U-100 cartridge: 100 units/mL - KwikPen U-100 pen: 100 units/mL - Junior KwikPen U-100 pen: 100 units/mL - U-100 vial: 100 units/mL	may mix w/ intermediate-acting insulin in syringe; don’t mix w/ any insulin or diluent in pump
insulin lispro 200 units/mL (Humalog)	o: <0.5h p: 0.5-1.5h d: <6h	KwikPen U-200 pen: 200 units/mL	don’t mix w/ any insulin in syringe
short-acting insulin	onset/ peak/ duration	how supplied	compatibility
insulin regular 1 unit/mL (Myxredlin)	o: 0.25h IV p: 0.25-0.5h IV d: 0.5-1h IV	1 unit/mL	don’t mix w/ any insulin
insulin regular 100 units/mL (Humulin R; Novolin R)	o: 0.5-1h (IV=0.25h) p: 2-4h (IV=0.25-0.5h) d: 6-12h (IV=0.5-1h)	U-100 vial: 100 units/mL	may mix w/ rapid or intermediate-acting insulin in syringe
short to intermediate-acting insulin	onset/ peak/ duration	how supplied	compatibility
insulin regular 500 units/mL (Humulin R)	o: 0.5-1h p: 2-4h d: up to 24h	- U-500 vial: 500 units/mL - KwikPen U-500 pen: 500 units/mL	don’t mix w/ any insulin, different syringe size required ¹
intermediate-/rapid-acting insulin combos	onset/peak/ duration	how supplied	compatibility
insulin aspart protamine/insulin aspart 100 units/mL (NovoLog Mix 70/30)	o: <0.25h p: 1-4h d: 12-24h	- FlexPen 70%/30% pen: 100 units/mL 70%/30% vial: 100 units/mL	don’t mix w/ any insulin in syringe
insulin lispro protamine/insulin lispro 100 units/mL (Humalog Mix 50/50; Humalog Mix 75/25)	Humalog Mix 50/50: o: <0.5h p: protamine 1-2h lispro 0.5-1.5h d: 6-12h Humalog Mix 75/25: o: <0.5h p: protamine 2-4h lispro 0.5-1.5h d: 6-12h	Humalog Mix 50/50: - KwikPen 50%/50% pen: 100 units/mL 50%/50% vial: 100 units/mL Humalog Mix 75/25: - KwikPen 75%/25% pen: 100 units/mL 75%/25% vial: 100 units/ mL	don’t mix w/ any insulin in syringe
intermediate-/short-acting insulin combo	onset/ peak/	how supplied	compatibility

	duration		
insulin NPH/insulin regular 100 units/mL (Humulin 70/30; Novolin 70/30)	o: 0.5h p: 2-12h d: 18-24h	Humulin 70/30: • KwikPen 70%/30% pen: 100 units/mL • 70%/30% vial: 100 units/mL Novolin 70/30: • FlexPen 70%/30% pen: 100 units/mL • FlexPen ReliOn 70%/30% pen: 100 units/mL • 70%/30% vial: 100 units/mL	don't mix w/ any insulin in syringe
intermediate-acting insulin	onset/ peak/ duration	how supplied	compatibility
insulin NPH 100 units/mL (Humulin N; Novolin N)	o: 1-2h p: 4-14h d: 10-24h	• KwikPen U-100 pen: 100 units/mL • U-100 vial: 100 units/mL	may mix w/ rapid or short-acting insulin in syringe
long-acting insulin	onset/ peak/ duration	how supplied	compatibility
insulin detemir 100 units/mL (Levemir)	o: 1h p: no peak d: 8-24h	• FlexTouch U-100 pen: 100 units/mL • U-100 vial: 100 units/mL	don't mix w/ any insulin in syringe
insulin glargine 100 units/mL (Basaglar; Lantus)	o: 1h p: no peak d: 24h	Basaglar: • KwikPen U-100 pen: 100 units/mL Lantus: • SoloStar U-100 pen: 100 units/mL • U-100 vial: 100 units/mL	don't mix w/ any insulin in syringe
insulin degludec 100 units/mL (Tresiba)	o: 1h p: no peak d: up to 42h	• U-100 vial: 100 units/mL FlexTouch U-100 pen: 100 units/mL	don't mix w/ any insulin in syringe
insulin degludec 200 units/mL (Tresiba)	o: 1h p: no peak d: up to 42h	• FlexTouch U-200 pen: 200 units/mL	don't mix w/ any insulin in syringe
insulin glargine, 300 units/mL (Toujeo)	o: 6h p: no peak d: 24-36h	• SoloStar U-300 pen: 300 units/mL (1.5 mL) • Max SoloStar U-300 pen: 300 units/mL (3 mL)	don't mix w/ any insulin in syringe