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	• FlexTouch U-100 pen: 100 units/mL • U-100 vial: 100 units/mL	**don't** mix w/ any insulin in syringe
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
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 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 d/t high-concentration insulin
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/ duration**	**how supplied**	**compatibility**
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:**	**don't** mix w/ any insulin in syringe

		• FlexPen 70%/30% pen: 100 units/mL • FlexPen ReliOn 70%/30% pen: 100 units/mL • 70%/30% vial: 100 units/mL	
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