

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	<ul style="list-style-type: none"> <li>FlexTouch U-100 pen: 100 units/mL</li> <li>U-100 vial: 100 units/mL</li> </ul>	<b>don't</b> mix w/ any insulin in syringe
insulin aspart 100 units/mL (NovoLog)	o: <0.25h p: 1-3h d: 3-5h	<ul style="list-style-type: none"> <li>PenFill U-100 cartridge: 100 units/mL</li> <li>FlexPen U-100 pen: 100 units/mL</li> <li>U-100 vial: 100 units/mL</li> </ul>	may mix w/ intermediate-acting insulin in syringe
insulin glulisine 100 units/mL (Apidra)	o: <0.5h p: 0.5-1.5h d: <6h	<ul style="list-style-type: none"> <li>SoloStar U-100 pen: 100 units/ mL</li> <li>U-100 vial: 100 units/mL</li> </ul>	may mix w/ intermediate-acting insulin in syringe; <b>don't</b> mix w/ any insulin or diluent in pump
insulin inhaled (Afrezza)	o: 0.2h p: 0.6-0.9h d: 1.5-4.5h	<b>convenience packs:</b> <ul style="list-style-type: none"> <li>4-unit</li> <li>8-unit</li> <li>12-unit</li> <li>4-unit/8-unit</li> <li>4-unit/8-unit/12-unit</li> </ul>	
insulin lispro 100 units/mL (generic)	o: <0.5h p: 0.5-1.5h d: <6h	<ul style="list-style-type: none"> <li>KwikPen U-100 pen: 100 units/mL</li> <li>U-100 vial: 100 units/mL</li> </ul>	may mix w/ intermediate-acting insulin in syringe; <b>don't</b> mix w/ any insulin or diluent in pump
insulin lispro 100 units/mL (Admelog)	o: <0.5h p: 0.83h d: <6h	<ul style="list-style-type: none"> <li>SoloStar U-100 pen: 100 units/mL</li> <li>U-100 vial: 100 units/mL</li> </ul>	<b>don't</b> 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	<ul style="list-style-type: none"> <li>U-100 cartridge: 100 units/mL</li> <li>KwikPen U-100 pen: 100 units/mL</li> <li>Junior KwikPen U-100 pen: 100 units/mL</li> <li>U-100 vial: 100 units/mL</li> </ul>	may mix w/ intermediate-acting insulin in syringe; <b>don't</b> mix w/ any insulin or diluent in pump
insulin lispro 200 units/mL (Humalog)	o: <0.5h p: 0.5-1.5h d: <6h	<ul style="list-style-type: none"> <li>KwikPen U-200 pen: 200 units/mL</li> </ul>	<b>don't</b> 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	<ul style="list-style-type: none"> <li>1 unit/mL</li> </ul>	<b>don't</b> 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)	<ul style="list-style-type: none"> <li>U-100 vial: 100 units/mL</li> </ul>	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	<ul style="list-style-type: none"> <li>U-500 vial: 500 units/mL</li> <li>KwikPen U-500 pen: 500 units/mL</li> </ul>	<b>don't</b> mix w/ any insulin, different syringe size required <sup>1</sup>
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	<ul style="list-style-type: none"> <li>FlexPen 70%/30% pen: 100 units/mL</li> <li>70%/30% vial: 100 units/mL</li> </ul>	<b>don't</b> mix w/ any insulin in syringe
insulin lispro protamine/insulin lispro 100 units/mL (Humalog Mix 50/50; Humalog Mix 75/25)	<b>Humalog Mix 50/50:</b> o: <0.5h p: protamine 1-2h lispro 0.5-1.5h d: 6-12h <b>Humalog Mix 75/25:</b> o: <0.5h p: protamine 2-4h lispro 0.5-1.5h d: 6-12h	<b>Humalog Mix 50/50:</b> <ul style="list-style-type: none"> <li>KwikPen 50%/50% pen: 100 units/mL</li> <li>50%/50% vial: 100 units/mL</li> </ul> <b>Humalog Mix 75/25:</b> <ul style="list-style-type: none"> <li>KwikPen 75%/25% pen: 100 units/mL</li> <li>75%/25% vial: 100 units/ mL</li> </ul>	<b>don't</b> 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	<b>Humulin 70/30:</b> <ul style="list-style-type: none"> <li>• KwikPen 70%/30% pen: 100 units/mL</li> <li>• 70%/30% vial: 100 units/mL</li> </ul> <b>Novolin 70/30:</b> <ul style="list-style-type: none"> <li>• FlexPen 70%/30% pen: 100 units/mL</li> <li>• FlexPen ReliOn 70%/30% pen: 100 units/mL</li> <li>• 70%/30% vial: 100 units/mL</li> </ul>	<b>don't</b> 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	<ul style="list-style-type: none"> <li>• KwikPen U-100 pen: 100 units/mL</li> <li>• U-100 vial: 100 units/mL</li> </ul>	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	<ul style="list-style-type: none"> <li>• FlexTouch U-100 pen: 100 units/mL</li> <li>• U-100 vial: 100 units/mL</li> </ul>	<b>don't</b> mix w/ any insulin in syringe
insulin glargine 100 units/mL (Basaglar; Lantus)	o: 1h p: no peak d: 24h	<b>Basaglar:</b> <ul style="list-style-type: none"> <li>• KwikPen U-100 pen: 100 units/mL</li> </ul> <b>Lantus:</b> <ul style="list-style-type: none"> <li>• SoloStar U-100 pen: 100 units/mL</li> <li>• U-100 vial: 100 units/mL</li> </ul>	<b>don't</b> mix w/ any insulin in syringe
insulin degludec 100 units/mL (Tresiba)	o: 1h p: no peak d: up to 42h	<ul style="list-style-type: none"> <li>• U-100 vial: 100 units/mL</li> <li>• FlexTouch U-100 pen: 100 units/mL</li> </ul>	<b>don't</b> mix w/ any insulin in syringe
insulin degludec 200 units/mL (Tresiba)	o: 1h p: no peak d: up to 42h	<ul style="list-style-type: none"> <li>• FlexTouch U-200 pen: 200 units/mL</li> </ul>	<b>don't</b> mix w/ any insulin in syringe
insulin glargine, 300 units/mL (Toujeo)	o: 6h p: no peak d: 24-36h	<ul style="list-style-type: none"> <li>• SoloStar U-300 pen: 300 units/mL (1.5 mL)</li> <li>• Max SoloStar U-300 pen: 300 units/mL (3 mL)</li> </ul>	<b>don't</b> mix w/ any insulin in syringe