

INSULIN PRODUCTS AVAILABLE IN CANADA (updated Oct 2024)

Note: While every effort has been made to ensure this chart is current, please refer to RxTx (e-CPS) for most current info. Available formats of insulin in Canada are constantly changing.

Class	Brand (Type/Generic)	Onset	Maximum Effect	Duration	Administration	Comments	Available Formats
Rapid acting insulin	Humalog*, Admelog* (Lispro)	10 -15 min	1 - 2 h	3.5 - 4.75 h	Given within 15 min before a meal or immediately after a meal.	CLEAR solution. May be used in a continuous subcutaneous insulin infusion pump.	Humalog: Vial (3 mL & 10 mL); Pen Cartridge (3 mL); KwikPen 100 units/mL (3 mL); KwikPen 200 units/mL (3 mL). Admelog: Vial (10 mL); Pen Cartridge (3 mL); SoloSTAR (3 mL)
	Fiasp (Aspart)	5-10 min	50 min- 1.3 h	Shorter than NovoRapid	Given up to 2 min before the start of a meal or within 20 min after starting a meal.	CLEAR solution.	Vial: (10 mL); Pen Cartridge (3 mL); FlexTouch (3 mL)
	NovoRapid*, Trurapi, Kirsty (Aspart)	10 -15 min	1 - 1.5 h	3 - 5 h	Given within 5-10 min before a meal or immediately after a meal.	CLEAR solution. NovoRapid or Kirsty, but not Trurapi, may be used in a continuous subcutaneous insulin infusion pump.	NovoRapid: Vial (10 mL); Pen Cartridge (3 mL) Trurapi: Pen Cartridge (3 mL); SoloSTAR (3 mL) Kirsty: Vial (10 mL); Prefilled Pen (3 mL)
	Apidra* (Glulisine)	10 -15 min	1 -1.5 h	3 - 5 h	Given within 15 min before a meal or within 20 min after a meal.	CLEAR solution. May be used in a continuous subcutaneous insulin infusion pump.	Vial (10 mL); Pen Cartridge (3 mL); SoloSTAR (3 mL)
Short acting insulin	Humulin R* (Regular)	30 min	2 - 3 h	6.5 h	When given subcutaneously, given 30-45 min before a meal. Regular insulin is the only insulin that can be administered intravenously at NSH.	CLEAR solution.	Vial (3 mL & 10 mL); Pen Cartridge (3 mL); KwikPen (3 mL)
	Novolin ge Toronto* (Regular)						Vial (10 mL); Pen Cartridge (3 mL)
Intermediate acting insulin	Humulin N (Isophane)	1 -3 h	5 - 8 h	Up to 18 h	Given once or twice daily.	Resuspend prior to administration by rolling vial between hands. CLOUDY suspension	Vial (3 mL & 10 mL); Pen Cartridge (3 mL); KwikPen (3 mL)
	Novolin ge NPH (Isophane)						Vial (10 mL); Pen Cartridge (3 mL)
Long acting OR Basal insulin	Lantus, Basaglar, Semglee (Glargine 100 units/ mL)	2-4 h	No peak	Up to 24 h	Given once daily.	CLEAR solution	Basaglar: Pen Cartridge (3 mL); KwikPen (3 mL) Lantus: Vial (10 mL); Pen Cartridge (3 mL); SoloSTAR (3 mL) Semglee: Prefilled Pen (3 mL) Toujeo: SoloSTAR (300 units/ mL) (1.5 mL); DoubleSTAR (300 units/ mL) (3 mL)
	Toujeo (Glargine 300 units/ mL)	1-6 h	No peak	24-36 h	Given once daily.		Levemir: Pen Cartridge (3 mL)
	Levemir (Detemir)	1-2 h	6-8 h	16-24 h	Usually given once daily, but may be given twice daily in some cases.		
	Tresiba (Degludec)	90 min (1-9 h)	No peak	Up to 42 h	Given once daily.	CLEAR solution	Tresiba: FlexTouch (100 units/mL and 200 units/mL) (3 mL)
Long acting (weekly) insulin	Awikli (icodec 700 units/mL)	n/a	n/a	Very long. half life ~ 196h. Steady state only after 3-4 weeks.	Given once weekly .	CLEAR solution	FlexTouch (700 units/mL) (1.5 mL; 3 mL)

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Asterix (*) designates short or rapid acting insulin products that can be mixed in the same syringe as isophane (NPH) insulin. The short or rapid acting insulin should be withdrawn from its multidose vial first, followed by withdrawal of the isophane (NPH) insulin. Injection should be made immediately after mixing.

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	Brand (Type/Generic)	Onset	Maximum Effect	Duration	Administration	Comments	Available Formats
Rapid acting AND Intermediate acting insulin mixture	Humalog Mix 25 Humalog Mix 50 (Lispro/ Lispro protamine)	Faster than Humulin 30/70	0.75 h- 2.5 h	Up to 24 h	Given once or twice daily (rarely, three times daily) before meals. Give within 15 min of a meal. Should not be administered at bedtime.	CLOUDY- Resuspend prior to administration by rolling vial between hands.	Pen Cartridge (3 mL); KwikPen (3 mL)
	NovoMix 30 (Aspart/ Aspart protamine)	10 - 20 min	1 - 4 h		Given once or twice daily (rarely, three times daily) before meals. Give within 15 min of a meal. Should not be administered at bedtime.		Pen Cartridge (3 mL)
Short acting AND Intermediate	Humulin 30/70 (Regular/ Isophane)	30 -60 min	2 - 4 h	Up to 24 h	Given once or twice daily (rarely, three times daily) before meals. Give approximately 30 min before meals. Should not be administered at bedtime.	CLOUDY- Resuspend prior to administration by rolling vial between hands.	Vial (10 mL); Pen Cartridge (3 mL)
	Novolin ge 30/70 (Regular/ Isophane)	30 min	2 - 8 h				Novolin ge 30/70: Vial (10 mL); Pen Cartridge (3 mL)
Misc.	Entuzity (Regular 500)	Despite containing only regular insulin, acts as both prandial and basal insulin			Usually given two or three times daily. Give 30 min before a meal.		KwikPen (500 units/mL) (3 mL)