

Insulin specific properties - Premixed insulin

The choice of premixed insulin will depend on the patient's dosing requirements for basal and prandial (bolus) insulin and which type of prandial insulin is preferred by the patient and provider

Agent (100 units/mL unless otherwise specified)	Comments (refer to individual components in previous tables for onset, peak and duration)	Coverage (ODB ²⁸ , NIHB ²⁹)	Dosage forms ²⁸	Drug cost for dosage forms ³⁰	Drug cost for usual dose* (50 units/day for 100 days supply)
Short-acting + intermediate-acting					
Premixed regular/NPH (Humulin® 30/70) (Novolin®ge 30/70) (Novolin®ge 40/60) (Novolin®ge 50/50)	<ul style="list-style-type: none"> Contain both short-acting regular prandial (bolus) insulin and intermediate-acting NPH basal insulin The numbers in the product name (e.g., 30/70) refer to the percentage of each type of insulin contained in the product (e.g., Novolin ge 30/70® contains 30% regular insulin and 70% NPH insulin) Inject bid (or tid for 50/50) 30 minutes before eating Max units/dose:** 60 for reusable pen¹¹ 	ODB ✓ NIHB ✓	5x3mL cartridges	\$65	\$176
			10mL vial	\$38	\$151
			5x3mL cartridges 10mL vial	\$60 \$36	\$162 \$144
			5x3mL cartridges	\$60	\$163
5x3mL cartridges	\$60	\$163			
Rapid-acting + intermediate-acting					
Aspart/aspart protamine suspension (Novomix® 30)	<ul style="list-style-type: none"> Contains 30% rapid-acting prandial (bolus) insulin aspart and 70% intermediate-acting insulin aspart protamine crystals Inject within 10 minutes before eating Max units/dose:** 60 	ODB ✓ NIHB ✓	5x3mL cartridges	\$70	\$191
Lispro/lispro protamine suspension (Humalog® Mix25) (Humalog® Mix50)	<ul style="list-style-type: none"> Contains a mix of rapid-acting prandial (bolus) insulin lispro (either 25% to 50%) and intermediate-acting insulin lispro protamine suspension (either 75% or 50%) Inject within 10 minutes before eating Max units/dose:** 60 for prefilled and reusable pens¹¹ 	ODB ✓ NIHB ✓	5x3mL prefilled pens	\$74	\$205
			5x3mL cartridges	\$75	\$206
5x3mL prefilled pens	\$73	\$201			
5x3mL cartridges	\$74	\$203			
GLP1-RA + insulin combinations (not premixed insulins)					
†Degludec/liraglutide (Xultophy®)	<ul style="list-style-type: none"> Contains a mix of long-acting basal insulin degludec and GLP1-RA liraglutide Inject 16 units/0.58mg – 50 units/1.8mg SC daily Administer at any time of the day (but same time every day) independent of meals Max: 50 units insulin daily 	ODB x NIHB x	5x3mL cartridges	\$370	\$1,065
Glargine/lixisenatide (Soliqua®)	<ul style="list-style-type: none"> Contains a mix of long-acting basal insulin glargine 100 units/mL and GLP1-RA lixisenatide Inject 15 units/5µg – 60 units/20µg SC daily Administer within 1 hour before the first meal of the day Max: 60 units insulin daily 	ODB ✓ NIHB ✓	5x3mL cartridges	\$215	\$624

* Prices reflect the cost to the consumer and include a markup and dispensing fee (the cost per dosage form and the 100-day cost both include one dispensing fee and reflect the usual pharmacy practice of dispensing a full box or vial; e.g., 5x3mL pens). The cost for a usual dose assumes a 100 kg patient. The price for vials does not include the cost of syringes.

** This reflects the maximum amount given for 1 injection, not the maximum amount of insulin that is required. Multiple injections may be required to achieve blood glucose targets.

† = not on Ontario drug formulary, ✓ = general benefit, x = not a benefit, **bid** = twice daily, **h** = hour, **kg** = kilogram, **LU** = limited use, **max** = maximum, **µg** = microgram, **mg** = milligram, **mL** = milliliter, **NIHB** = non-insured health benefits for First Nations and Inuit, **NPH** = neutral protamine Hagedorn, **ODB** = Ontario Drug Benefit, **SC** = subcutaneous