

Summary of Canadian Insulin Products 2017							
Company →	Novo Nordisk		Lilly		sanofi		
↓Category	Generic	Brand	Generic	Brand	Generic	Brand	
<b>Fast Acting</b> Onset 4-10 min Duration 3-5 h <i>Clear solution</i>	aspart	<b>Fiasp</b> 10 mL vial 3 mL cartridge Prefilled Pen (FlexTouch)  Expiry after opening: <b>28 days</b>					
<b>Rapid</b> Onset 10-15 min Duration 4-5 h <i>Clear solution</i>	aspart	<b>Novorapid</b> 10 mL vial 3 mL cartridge Prefilled Pen (FlexTouch)  Expiry after opening: <b>28 days</b>	lispro	<b>Humalog</b> <b>100u/ml</b> 10 mL vial 3 mL cartridge Prefilled pen (KwikPen) <b>200 u/ml</b> Prefilled pen (KwikPen) Expiry after opening: <b>28 days</b>	glulisine	<b>Apidra</b> 10 mL vial 3 mL cartridge Prefilled pen (SoloStar)  Expiry after opening: <b>28 days</b>	
<b>Short</b> Onset 30-60min Duration 5-8 h <i>Clear solution</i>	regular	<b>Novolin ge Toronto</b> 10 mL vial 3 mL cartridge  Expiry after opening: <b>30 days</b>	regular	<b>Humulin R</b> 100u/ml 10 mL vial 3 mL cartridge Prefilled Pen (KwikPen)  Expiry after opening: <b>28 days</b>	<b>Entuzity</b> 500u/ml 3 ml cartridge Prefilled Pen (KwikPen)  Expiry after opening: <b>28 days</b>		
<b>Intermediate</b> Onset 1-3 h Duration up to 18 h <i>Cloudy solution</i>	NPH	<b>Novolin ge NPH</b> 10 mL vial 3 mL cartridge  Expiry after opening: <b>30 days</b>	NPH	<b>Humulin N</b> 10 mL vial 3 mL cartridge Prefilled Pen (KwikPen)  Expiry after opening: <b>28 days</b>			
<b>Extended Long Acting</b> Onset 90 min Duration 24 h <i>Clear solution</i>	detemir	<b>Levemir</b> 3 mL cartridge Prefilled Pen(FlexTouch)  Expiry after opening: <b>42 days</b>	glargine biosimilar	<b>Basaglar</b> 3 mL cartridge Prefilled Pen (Kwik pen)  Expiry after opening: <b>28 days</b>	glargine	<b>Lantus</b> 100u/mL  10 mL vial 3mL cartridge Prefilled Pen (SoloStar)  Expiry after opening: <b>28 days</b>	<b>Toujeo</b> 300u/mL <b>*for adults only</b>  Once daily admin Prefilled Pen (SoloStar)  Expiry after opening: <b>42 days</b>
<b>Ultra Long Acting</b> Onset 1 h Duration 42 h <i>Clear solution</i>	degludec	<b>Tresiba</b> 100u/mL or 200u/mL Once daily admin Prefilled Pen (FlexTouch)  Expiry after opening: <b>56 days</b>					
<b>Premixed Rapid + Intermediate</b> Onset 10-15 min Duration up to 18 h <i>Cloudy solution</i>	biphasic insulin aspart	<b>NovoMix 30</b> 10 mL vial 3 mL cartridge  Expiry after opening: <b>28 days</b>	lispro/lispro protamine suspension	<b>Humalog Mix25</b> 25% Lispro/75% NPL  3 mL cartridge, Prefilled Pen (KwikPen) Expiry after opening: <b>28 days</b>	<b>Humalog Mix50</b> 50% Lispro/50% NPL		
<b>Premixed Short + Intermediate</b> Onset 30-60 min Duration up to 18 h <i>Cloudy solution</i>	regular + NPH	<b>Novolin ge 30/70</b> 30% Reg/70%NPH 10 mL vial 3 mL cartridge <b>Novolin ge 40/60</b> 40% Reg/60%NPH <b>Novolin ge 50/50</b> 50% Reg/50%NPH 3 mL cartridge Expiry after opening: <b>28 days</b>	regular + NPH	<b>Humulin 30/70</b> 30% Reg/ 70% NPH 10 mL vial 3 mL cartridge  Expiry after opening: <b>28 days</b>			

## General Insulin Storage Requirements are as follows:

1. Never freeze (Frozen insulin should be discarded)
2. Never use insulin beyond the expiration date stamped on the vial, pen or cartridge that is supplied from the drug manufacturer.
3. Never expose insulin to direct heat or light.
4. Inspect insulin prior to each use. Any insulin that has clumps or solid white particles should not be used. Insulin that is supposed to be clear should not have any cloudy appearance.
5. Check storage guidelines specific to the insulin formulation. This is usually in the product package insert.
6. Unopened, not-in-use insulin should be stored in a refrigerator at a temperature of 2 to 8°C, away from freezer or freezing coils.
7. Opened, in-use insulin should be stored at room temperature 15 to 30°C and discarded if beyond “expiry date after opening”.
8. If receiving insulin through the mail, always confirm that the insulin was stored under proper requirements.