

Insulin

Type	Brand Name	Onset	Peak	Duration	Comments
Rapid Acting Insulin Analogues (Clear)	Lispro (Humalog) Aspart (NovoRapid) Glulisine (Apidra)	10 - 15 minutes	1 - 2 hours	3 - 5 hours	The fastest-acting Insulin available May be also be called meal time insulin
Fast Acting Insulin (Clear)	Regular (Humulin R) Novolin ge Toronto	30 minutes - 1 hour	2 - 4 hours	5 - 8 hours	Often taken with meals
	Regular (Hypurin R) <i>Special Order</i>	30 minutes - 2 hours	3 - 4 hours	4 - 6 hours	Pork based
Intermediate Acting Insulin (Cloudy)	NPH (Humulin N) (Novolin ge NPH)	1 - 3 hours	5 - 8 hours	Up to 18 hours	May be used in combination with other insulins and/ or pills
	NPH (Hypurin NPH) <i>Special Order</i>	4 - 6 hours	8 - 14 hours	16 - 20 hours	Pork Based
Extended-Long Acting Insulin Analogues (Clear)	Glargine - Lantus	90 Minutes	no pronounced peak	Constant concentration over 24 hours	Injected once daily Not recommended to mix with other insulins
	Detemir - Levemir	1-2 hours	Maximum concentration reached at 3 - 14 hours	Duration of action up to 24 hours. Larger dose may extend duration	May inject once or twice a day
Premixed Insulin * (Cloudy)	Humulin 30/70 Novolin 30/70 Novolin 40/60 Novolin 50/50	30 minutes - 1 hour	2 - 12 hours	Up to 18 hours	The numbers refer to the % of short acting insulin (1st number) and the % of intermediate acting insulin (2nd number)
Premixed Insulin Analog	Humalog Mix 25 Humalog Mix 50 Novo Mix 30	15-30 minutes	30 min to 8 hours	Up to 18 hours	

Important Notice: The time course on any insulin may vary considerably in different people. The time periods indicated above should be considered as general guidelines only.

* The action times for premixed insulins depend on the ratio of the premix.