

INSULIN

Type of Insulin (Name)	Manufacturer	Source	Onset/ Start time	Peak	Effective Duration
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RAPID-ACTING (BOLUS/Meal Insulins)

Humalog-LisPro	Lilly	Human rDNA	5 - 10 min	1 ½ hrs	3 ½ hrs
Novolog-Aspart	Novo Nordisk	Human rDNA	5 - 10 min	40-50 min	4+ hrs
Apidra-Glulisine	Aventis	Human rDNA	5 + min	55 min	4+ hrs
(Exubera Inhaled)	Pfizer not available	Human rDNA	5-10min	1+hr	~6 hrs)

REGULAR

Humulin R	Lilly	Human rDNA	30-60 min	2 - 3 hrs	6 - 8 hrs
Novolin R	Novo Nordisk	Human rDNA	30 min	2 - 4 hrs	6 - 8 hrs

INTERMEDIATE-ACTING (BASAL/Background Insulins)

NPH

Humulin N	Lilly	Human rDNA	2 hrs	6 - 8 hrs	10 - 12 hrs
Novolin N	Novo Nordisk	Human rDNA	2 hrs	6 - 8 hrs	10 - 12 hrs

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Novolin L	Novo Nordisk	Human rDNA	2 hrs	8+/-	14 - 16 hrs
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LONG – ACTING (Basal/Background)

Lantus/Glargine	Aventis	Human rDNA	2-3+/-	nearly flat	22+/- hrs
Levemir/Detimer	Novo Nordisk	Human rDNA	2+hrs	nearly flat	16-24 hrs

MIXTURES

Pre-MIXED at the factory		all are rDNA Human			
Humalog75/25Mix	Lilly	75% NPL /25% Humalog	[H: 5-10min	H: 1 ½ hrs	H: 3 ½ hrs]
Novolog Mix 70/30	NovoNordisk	70% N/30% Novolog	[Nlog 5-10min	/Peak40+min	/Dur3-5h]
Humulin 70/30	Lilly	70% NPH/30% Reg \	[R: 30min	R: 2 -3 hrs	R: 6 hrs]
Novolin 70/30	Novo Nordisk	70% NPH/30% Reg /	[N: 2 hrs	N: 6+/- hrs	N: 10-12 hrs]
Humulin 50/50	Lilly	50% NPH/50% Reg			
Humalog Mix 50/50	Lilly	50% Humalog/50%NPL			

INSULIN CARTRIDGES: *for insulin pens:* Humalog 3ml for Memoir and Luxura HD, Lantus & Apidra for OptiClick; Novolog for NovoJunior (Novo Pen 3, Innovo) R, N, 70/30,

INSULIN PREFILLED PENS – Humalog, NPH and 75/25 (Lilly); InnoLet 70/30, R and NPH (Novo); Novolog, Novolog Mix 70/30; SoloStar (Lantus), KwikPen (HLog, & mixes)

For patients on Insulin; T1DM and T2DM: SYMLIN in vial or SymPen

SYMLIN Pramlitide (amylin hormone) injection (NOT INSULIN) 15-30 mcg 2-4x/d: T1DM and 60-120mcg - 2-4x/d T2DM. To start: Symlin with the first bite of food, Insulin with the last bite.