

Appendix G. Types of insulin available

The pharmacokinetics of the different insulins is patient-dependent. Review product information for each product before prescribing. An empirical approach to dosage together with a 'go slow' policy will result in the smoothest fine tuning of management. Some of these insulins are available as injection devices, pen injectors, disposable insulin pens, cartridges and vials.

Type	Brand name	Manufacturer	Nature
Rapid-acting (peak at one hour, last 3.5–4.5 hours)			
Insulin lispro	Humalog*	Lilly	Analogue
Insulin aspart	NovoRapid*	Novo Nordisk	Analogue
Insulin glulisine	Apidra*	Sanofi	Analogue
Short-acting (peak at two to five hours, last six to eight hours)			
Neutral	Actrapid	Novo Nordisk	Human
	Humulin R	Lilly	Human
	Hypurin Neutral	Aspen	Bovine
Intermediate acting (12–24 hours)			
Isophane	Humulin NPH	Lilly	Human
	Protaphane	Novo Nordisk	Human
	Hypurin Isophane	Aspen	Bovine
Long-acting (BASAL)			
Insulin detemir	Levemir	Novo Nordisk	Analogue
Insulin glargine	Lantus	Sanofi	Analogue
Insulin glargine (U300)	Toujeo	Sanofi	Analogue
Premixed insulins			
Lispro 25%/lispro protamine 75%	Humalog Mix25*	Lilly	Analogue
Lispro 50%/lispro protamine 50%	Humalog Mix 50*	Lilly	Analogue
Insulin aspart 30%/insulin aspart protamine 70%	NovoMix 30*	Novo Nordisk	Analogue
Neutral 30%/isophane 70%	Humulin 30/70	Lilly	Human
	Mixtard 30/70	Novo Nordisk	Human
Neutral 50%/isophane 50%	Mixtard 50/50	Novo Nordisk	Human

*Rapid-acting – should be given immediately before eating