

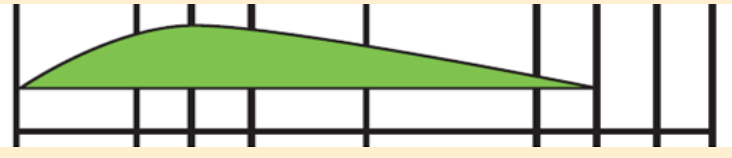
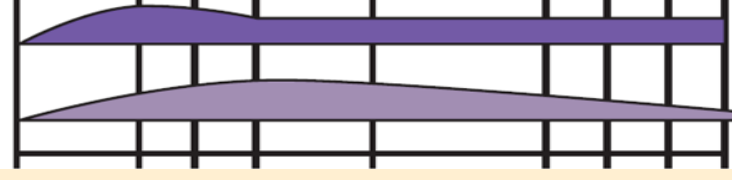
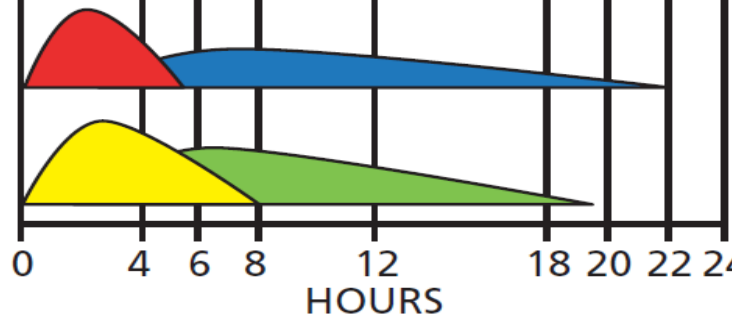


Typical Insulin Profiles

Insulin Type	Proprietary Name – use when prescribing	Manufacturer	Device	Taken	Onset	Peak	Duration	Typical activity profiles
Rapid-acting analogue insulins								
Insulin Aspart	NovoRapid®	Novo Nordisk	Vial, Flexpen, cartridge	Just before, with or just after food	10-20 mins	1-3 hrs	2-5 hrs	
Insulin Lispro	Humalog®	Lilly	Vial, Kwikpen, cartridge					
Insulin Glulisine	Apidra®	Sanofi-Aventis	Vial, Solostar pen, cartridge for Optipen					
Short-acting insulins								
Insulin – soluble/neutral	Actrapid®	Novo Nordisk	Vial	15-30 mins before food	30-60 mins	1-5 hrs	5-9 hrs	
	Humulin S®	Lilly	Vial, cartridge					
	Insuman® Rapid	Sanofi-Aventis	Cartridge					
	Hypurin® Bovine Neutral	Wockhardt	Vial, cartridge					
	Hypurin® Porcine Neutral	Wockhardt	Vial					
Intermediate-acting insulins								
Isophane insulin	Hypurin® Bovine Isophane	Wockhardt	Vial, cartridge	About 30 mins before food or bedtime	60-90 mins	2-12 hrs	12-24 hrs	
	Hypurin® Porcine Isophane	Wockhardt	Vial, cartridge					
	Insulatard®	Novo Nordisk	Vial, Innolet pen, cartridge					
	Humulin I®	Lilly	Vial, Kwikpen, cartridge					
	Insuman® Basal	Sanofi-Aventis	Vial, Solostar pen, cartridge					
Long-acting analogue insulins								
Insulin Detemir	Levemir®	Novo Nordisk	Flexpen, cartridge	Once or twice a day	2-4 hrs	6-14 hrs	16-20	
Insulin Glargine	Lantus®	Sanofi-Aventis	Solostar pen, cartridge		2-4 hrs	No peak	20-24 hrs	
Insulin Degludec	Tresiba®	Novo Nordisk	Flextouch Pen	Once a day	30-90 mins	No peak	Over 42 hours	
Mixed Insulins – biphasic								
Biphasic insulin aspart (analogue)	NovoMix® 30	Novo Nordisk	Flexpen, cartridge	Just before, with or just after food	10-20 mins	1-4 hrs	Up to 24 hrs	
Biphasic insulin Lispro (analogue)	Humalog® Mix 25 Humalog® Mix 50	Lilly	Kwikpen, cartridge					
Biphasic isophane insulin	Hypurin® Procine 30/70 Mix	Wockhardt	Vial	15-30mins before food	30mins	1-4 hrs	12-24 hrs	
	Humulin M3®	Lilly	Vial, Kwikpen, cartridge					
	Insuman® Comb 15	Sanofi-Aventis	Cartridge					
	Insuman® Comb 25	Sanofi-Aventis	Solostar Pen					
	Insuman® Comb 50	Sanofi-Aventis	Cartridge					

U500 insulin (Humulin R®)

This insulin is unlicensed and is five times more concentrated than standard (U100) insulin; it should be initiated by a diabetes consultant only.

It is prescribed in 'marks' and needs to be administered via a 0.3 or 0.5ml insulin syringe.

(One 'mark' on one of these syringes is equivalent to 5 units of insulin).

All patients admitted on u500 insulin should be referred to the diabetes team via electronic referral

Diabetes Team In-Hours Contact Details

DSN (diabetes specialist nurse): via electronic referral or bleep via switchboard

Diabetes SpR: via switchboard

Out of hours please contact on-call medical SpR