

## Appendix A. Therapeutic Interchange for Insulin Products

1. All non-formulary (NF) insulins will be interchanged with their respective formulary agent on a 1:1 dose conversion (1 unit NF agent = 1 unit formulary agent).

INSULIN TYPE	Non-formulary Insulin	Formulary Insulin	Onset	Peak	Duration	Route	Administration time before meals
Rapid Acting							
LISPRO*	HumaLOG® >>>>		10-15 min	½ - 1.5 hour	3-4 hours	IV or Sub-Q	5-15 min
ASPART*		>>>> NovoLOG®	10-15 min	1-3 hours	3-5 hours	Sub-Q	5-10 min
Short Acting							
REGULAR	Humulin R® >>>>	Novolin R®	½ - 1 hour	2-4 hours	8-12 hours	IV or Sub-Q	30-60 min
Intermediate Acting							
NPH	Humulin N® >>>>	Novolin N®	4-12 hours	4-12 hours	24 hours	Sub-Q	30-60 min
Mixed Insulins							
NPH 70% and Regular Insulin 30%	Humulin 70/30® >>>>	Novolin 70/30®	½ - 1 hour	2-12 hours	16-24 hours	Sub-Q	30-60 min
Lispro protamine 75% and Lispro 25%	HumaLOG Mix >>>>	Novolin 70/30® 75/25®	Non-formulary mixed insulin products such as Humulin 70/30®, HumaLOG Mix 75/25®, and NovoLOG Mix 70/30® will be <b>INTERCHANGED</b> for Novolin 70/30® on a 1:1 dose conversion to be administered with meals.				
Aspart protamine 70% and Aspart 30%	NovoLOG Mix >>>>	Novolin 70/30® 70/30®					

Note: Humulin L® and Humulin U® were deleted from the formulary as of October 2006.  
HumaLOG Mix 50/50® remains non-formulary.