Conversion Chart for Use of u500 Insulin in Pump Set for u100 Insulin Concentration

Setting of Basal Rates using u100 Concentration Setting for u500 Insulin in Pump

u/hr

U100 insulin	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0
U500 insulin	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4

Divide basal rate of u100 insulin by 5 to get rate using u500 insulin

Giving Boluses of u500 Insulin Using the u100 Concentration Setting in the Insulin Pump

U100 insulin	5.0	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
U500 insulin	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10	11	12	13	14	15	16	17	18	19

Divide bolus amount using u100 insulin by 5 to get bolus amount using u500 insulin

Carbohydrate:insulin ratio using u500 insulin

Multiply gms of CHO in insulin:CHO ratio using u100 insulin by 5 to get ratio using u500 insulin, ie. 1u/2 gm CHO using u100 insulin equals 1u/10 gm CHO using u500 insulin

U100	1:1	1:2	1:3	1:4	1:5		2:1								
U500	1:5	1:10	1:15	1:20	1:25		2:5								