	Marshall Pierce Pharm.D.								**Vancomycin Dosing Chart**				Vd 0.65 l/kg		Kel =	0.00107(clcr per 1.73 meters squared) + 0.005216005									
Calc.Clcr per 1.73 m2	140	130	120	100	95	90	85	80	75	70	65	60	55	50	45	40	35	30	25	20	15	10	7.5	5	2.5
Kel calc.(1/Hr)	0.155	0.144	0.134	0.112	0.107	0.102	0.096	0.091	0.085	0.080	0.075	0.069	0.064	0.059	0.053	0.048	0.043	0.037	0.032	0.027	0.021	0.016	0.013	0.011	0.008
T1/2 Hours	4.471	4.802	5.187	6.176	6.485	6.827	7.206	7.631	8.108	8.650	9.269	9.983	10.817	11.803	12.986	14.433	16.242	18.571	21.679	26.037	32.587	43.541	52.337	65.588	87.822
									Initial & New Interval Selection for **11** mg/kg					Loading Dose = 20 mg/kg for peak of 30 mcg/ml						Peak to trough change approximately 17 mccg/ml					
Calc. Clcr ml/min	140	130	120	100	95	90	85	80	75	70	65	60	55	50	45	40	35	30	25	20	15	10	7.5	5	2.5
Dosage Interval Hr.												Serum Levels Measured & Predicted													
8	11.4	12.7	14.1	17.9	19.0	20.4	21.8	23.4	25.3	27.3	29.7	32.5	35.7	39.5	44.0	49.6	56.6	65.5	77.4	94.0	118.8	159.8	192.3	240.6	319.9
12	5.7	6.5	7.4	9.8	10.5	11.3	12.3	13.3	14.5	15.9	17.4	19.2	21.3	23.8	26.9	30.5	35.1	41.1	49.0	60.0	76.5	103.8	125.4	157.6	210.5
16	3.2	3.7	4.3	5.9	6.5	7.1	7.7	8.5	9.3	10.3	11.5	12.8	14.3	16.2	18.4	21.1	24.5	28.9	34.8	43.1	55.4	75.8	92.1	116.2	155.8
18	2.4	2.8	3.3	4.7	5.2	5.7	6.3	6.9	7.7	8.5	9.5	10.7	12.0	13.6	15.6	18.0	21.0	24.9	30.1	37.4	48.4	66.5	80.9	102.4	137.6
24	1.1	1.3	1.6	2.5	2.8	3.2	3.6	4.0	4.5	5.1	5.8	6.6	7.6	8.7	10.1	11.9	14.1	17.0	20.8	26.2	34.4	47.9	58.7	74.8	101.1
36	0.2	0.3	0.4	0.8	0.9	1.1	1.3	1.5	1.8	2.1	2.5	2.9	3.5	4.2	5.0	6.1	7.4	9.2	11.7	15.2	20.5	29.5	36.6	47.3	64.8
48	0.1	0.1	0.1	0.3	0.3	0.4	0.5	0.6	0.8	0.9	1.1	1.4	1.7	2.2	2.7	3.4	4.4	5.6	7.4	9.9	13.8	20.3	25.6	33.6	46.7
60	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.6	0.7	0.9	1.2	1.6	2.0	2.7	3.6	4.9	6.8	9.8	15.0	19.1	25.4	35.8
72	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.7	0.9	1.2	1.7	2.4	3.4	4.9	7.2	11.4	14.8	20.0	28.6
96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.5	0.7	1.1	1.7	2.6	4.2	7.2	9.6	13.4	19.7
120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.9	1.5	2.6	4.8	6.6	9.5	14.5
144	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.5	0.9	1.7	3.3	4.7	7.0	11.0
168	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.5	1.1	2.3	3.4	5.3	8.6
									Initial & New Interval Selection for **10** mg/kg					Loading Dose = 20 mg/kg for peak of 30 mcg/ml						Peak to trough change approximately 15.5 mccg/ml					
Calc. Clcr ml/min	140	130	120	100	95	90	85	80	75	70	65	60	55	50	45	40	35	30	25	20	15	10	7.5	5	2.5
Dosage Interval Hr.												Serum Levels Measured & Predicted													
8	10.4	11.5	12.8	16.2	17.3	18.5	19.8	21.3	23.0	24.9	27.0	29.5	32.4	35.9	40.0	45.1	51.4	59.5	70.3	85.4	108.0	145.2	174.8	218.7	290.8
12	5.2	5.9	6.7	8.9	9.6	10.3	11.2	12.1	13.2	14.4	15.9	17.5	19.4	21.7	24.4	27.8	31.9	37.3	44.5	54.5	69.5	94.3	114.0	143.3	191.3
16	2.9	3.3	3.9	5.4	5.9	6.4	7.0	7.7	8.5	9.4	10.4	11.6	13.0	14.7	16.7	19.2	22.3	26.3	31.6	39.1	50.4	68.9	83.7	105.6	141.6
18	2.2	2.6	3.0	4.3	4.7	5.2	5.7	6.3	7.0	7.8	8.7	9.7	10.9	12.4	14.2	16.4	19.1	22.6	27.4	34.0	44.0	60.5	73.6	93.1	125.1
24	1.0	1.2	1.5	2.3	2.6	2.9	3.2	3.6	4.1	4.6	5.3	6.0	6.9	7.9	9.2	10.8	12.8	15.4	18.9	23.8	31.3	43.6	53.4	68.0	92.0
36	0.2	0.3	0.4	0.7	0.9	1.0	1.2	1.4	1.6	1.9	2.2	2.7	3.2	3.8	4.5	5.5	6.8	8.4	10.6	13.8	18.7	26.8	33.3	43.0	58.9
48	0.1	0.1	0.1	0.3	0.3	0.4	0.5	0.6	0.7	0.8	1.0	1.3	1.6	2.0	2.5	3.1	4.0	5.1	6.7	9.0	12.5	18.5	23.3	30.5	42.4
60	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.8	1.1	1.4	1.9	2.4	3.3	4.5	6.2	8.9	13.6	17.4	23.1	32.6
72	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.6	0.8	1.1	1.6	2.2	3.1	4.4	6.6	10.4	13.5	18.2	26.0
96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.4	0.7	1.0	1.5	2.4	3.9	6.5	8.7	12.2	17.9
120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.8	1.4	2.4	4.3	6.0	8.7	13.2
144	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.4	0.8	1.5	3.0	4.3	6.4	10.0
168	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.5	1.0	2.1	3.1	4.8	7.9
									Initial & New Interval Selection for **9** mg/kg					Loading Dose = 20 mg/kg for peak of 30 mcg/ml						Peak to trough change approximately 13.8 mccg/ml					
Calc. Clcr ml/min	140	130	120	100	95	90	85	80	75	70	65	60	55	50	45	40	35	30	25	20	15	10	7.5	5	2.5
Dosage Interval Hr.												Serum Levels Measured & Predicted													
8	9.3	10.4	11.5	14.6	15.6	16.7	17.8	19.2	20.7	22.4	24.3	26.6	29.2	32.3	36.0	40.6	46.3	53.6	63.3	76.9	97.2	130.7	157.3	196.8	261.7
12	4.7	5.3	6.0	8.0	8.6	9.3	10.1	10.9	11.9	13.0	14.3	15.7	17.5	19.5	22.0	25.0	28.7	33.6	40.1	49.1	62.6	84.9	102.6	129.0	172.2
16	2.6	3.0	3.5	4.9	5.3	5.8	6.3	6.9	7.6	8.4	9.4	10.5	11.7	13.2	15.0	17.3	20.1	23.7	28.5	35.2	45.3	62.0	75.3	95.1	127.5
18	2.0	2.3	2.7	3.9	4.2	4.7	5.1	5.7	6.3	7.0	7.8	8.7	9.8	11.2	12.8	14.7	17.2	20.4	24.6	30.6	39.6	54.4	66.2	83.8	112.6
24	0.9	1.1	1.3	2.1	2.3	2.6	2.9	3.3	3.7	4.2	4.7	5.4	6.2	7.1	8.3	9.7	11.5	13.9	17.0	21.5	28.1	39.2	48.1	61.2	82.8
36	0.2	0.3	0.4	0.7	0.8	0.9	1.1	1.2	1.5	1.7	2.0	2.4	2.8	3.4	4.1	5.0	6.1	7.6	9.6	12.5	16.8	24.1	30.0	38.7	53.0
48	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.8	0.9	1.2	1.4	1.8	2.2	2.8	3.6	4.6	6.0	8.1	11.3	16.6	21.0	27.5	38.2
60	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.5	0.6	0.8	1.0	1.3	1.7	2.2	2.9	4.0	5.6	8.0	12.2	15.7	20.8	29.3
72	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.7	1.0	1.4	2.0	2.8	4.0	5.9	9.3	12.1	16.4	23.4
96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.4	0.6	0.9	1.4	2.2	3.5	5.9	7.9	11.0	16.1
120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.7	1.2	2.1	3.9	5.4	7.8	11.8
144	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.4	0.7	1.4	2.7	3.9	5.7	9.0
168	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.4	0.9	1.9	2.8	4.3	7.1
									Initial & New Interval Selection for **8** mg/kg					Loading Dose = 20 mg/kg for peak of 30 mcg/ml						Peak to trough change approximately 12.3 mccg/ml					
Calc. Clcr ml/min	140	130	120	100	95	90	85	80	75	70	65	60	55	50	45	40	35	30	25	20	15	10	7.5	5	2.5
Dosage Interval Hr.												Serum Levels Measured & Predicted													
8	8.3	9.2	10.3	13.0	13.9	14.8	15.9	17.0	18.4	19.9	21.6	23.6	26.0	28.7	32.0	36.1	41.1	47.6	56.3	68.3	86.4	116.2	139.8	175.0	232.6
12	4.1	4.7	5.4	7.1	7.6	8.3	8.9	9.7	10.6	11.6	12.7	14.0	15.5	17.3	19.5	22.2	25.6	29.9	35.6	43.6	55.6	75.5	91.2	114.6	153.1
16	2.3	2.7	3.1	4.3	4.7	5.1	5.6	6.2	6.8	7.5	8.3	9.3	10.4	11.8	13.4	15.3	17.8	21.0	25.3	31.3	40.3	55.1	67.0	84.5	113.3
18	1.7	2.0	2.4	3.4	3.8	4.1	4.6	5.0	5.6	6.2	6.9	7.8	8.7	9.9	11.3	13.1	15.3	18.1	21.9	27.2	35.2	48.4	58.9	74.5	100.1
24	0.8	1.0	1.2	1.8	2.1	2.3	2.6	2.9	3.3	3.7	4.2	4.8	5.5	6.3	7.4	8.6	10.2	12.3	15.1	19.1	25.0	34.9	42.7	54.4	73.6
36	0.2	0.2	0.3	0.6	0.7	0.8	0.9	1.1	1.3	1.5	1.8	2.1	2.5	3.0	3.6	4.4	5.4	6.7	8.5	11.1	14.9	21.4	26.6	34.4	47.1
48	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.6	0.7	0.8	1.0	1.3	1.6	2.0	2.5	3.2	4.1	5.4	7.2	10.0	14.8	18.6	24.4	33.9
60	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.7	0.9	1.1	1.5	2.0	2.6	3.6	5.0	7.1	10.9	13.9	18.5	26.0
72	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.7	0.9	1.2	1.7	2.5	3.5	5.3	8.3	10.8	14.6	20.8
96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.4	0.5	0.8	1.2	1.9	3.1	5.2	7.0	9.7	14.3
120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.4	0.6	1.1	1.9	3.5	4.8	6.9	10.5
144	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.6	1.2	2.4	3.4	5.1	8.0
168	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.8	1.7	2.5	3.9	6.3