

	Normal	4	2	8
Cl(L/hr)		4	2	8
Vd(L)	40	40	40	40
K(1/hours)	0.1	0.05	0.2	
T1/2(hours)	6.93	13.86	3.465	
Dose(mg)	1000	1000	1000	
Interval(hours)	8	8	8	
T'(hours)	2	2	2	
Accumulation factor - 1-exp(-Ktau)	0.550671	0.32968	0.798103482	
Fraction of Steady State Achieved During Infusion - 1-exp(-KT')	0.181269	0.095163	0.329679954	

This spread sheet will demonstrate the effects of changes in Cl on serum levels.

Vd and Cl are independent parameters. K is calculated from Vd and Cl.

	Hour	0	8	16	24	32
Normal Cl	Dose	1	2	3	4	5
Cpmax(mg/L)		22.7	32.8	37.4	39.5	40.4
Cpmin(mg/L)		12.4	18.0	20.5	21.7	22.2
If Cl is 50% of normal						
Cpmax(mg/L)		23.8	39.7	50.4	57.6	62.4
Cpmin(mg/L)		17.6	29.4	37.4	42.7	46.2
If Cl is 2 x normal						
Cpmax(mg/L)		20.6	24.8	25.6	25.8	25.8
Cpmin(mg/L)		6.2	7.5	7.7	7.8	7.8

