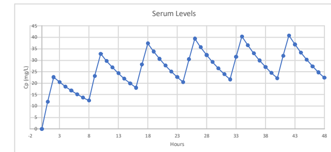
Cl (L/Hr)	4
Vd (L)	40
K (1/hours)	0.1
Dose (mg)	1000
Tau (hours)	8
T' (Hours)	2
(1-exp(-KTau) Accumulation Factor	0.550671
(1-exp(-KT')	0.181269

Dose Number	**1**								**2**								**3**
Time into Infusion	**0**	1	2							1	2						
Absolute Time	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
(1-exp(-NKTau)	0	0	0.550671	0	0	0	0	0	0	0	0.798103	0	0	0	0	0	0
(1-exp(-KTime)																	
Cpmaxxss=S*F*D*(1-exp(-KT'))*(1-exp(-NKTau)) / (ClT'*(1-exp(-Ktau)))	0	0	22.65866	0	0	0	0	0	0	0	32.83985	0	0	0	0	0	0
Cmin=Cmax*exp(-K(time))				20.5024	18.55134	16.78595	15.18855	13.74317	12.43533	11.25196	10.18119	29.71472	26.88699	24.32836	22.01321	19.91837	18.02289
Level Due to 2 hour Infusion C=S*F*D*(1-KT')/(ClT')	0	11.89532	22.65866							11.89532	22.65866						
Cp Total	0	11.89532	22.65866	20.5024	18.55134	16.78595	15.18855	13.74317	12.43533	23.14728	32.83985	29.71472	26.88699	24.32836	22.01321	19.91837	18.02289
AUC per Interval	131.7607									196.8717							

Dose Number								**4**								5
Time into Infusion	1	2							1	2						
Absolute Time	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
(1-exp(-NKTau)	0	0.909282	0	0	0	0	0	0	0	0.959238	0	0	0	0	0	0
(1-exp(-KTime)																
Cpmaxxss=S*F*D*(1-exp(-KT'))*(1-exp(-NKTau)) / (ClT'*(1-exp(-Ktau)))	0	37.41455	0	0	0	0	0	0	0	39.4701	0	0	0	0	0	0
Cmin=Cmax*exp(-K(time))	16.30779	14.75589	33.85408	30.63244	27.71738	25.07972	22.69307	20.53354	18.57952	16.81144	35.71402	32.31538	29.24017	26.4576	23.93982	21.66165
Level Due to 2 hour Infusion C=S*F*D*(1-KT')/(ClT')	11.89532	22.65866							11.89532	22.65866						
Cp Total	28.20311	37.41455	33.85408	30.63244	27.71738	25.07972	22.69307	20.53354	30.47484	39.4701	35.71402	32.31538	29.24017	26.4576	23.93982	21.66165
AUC per Interval	226.1279								239.2736							

Dose Number								**6**								7
Time into Infusion	1	2							1	2						
Absolute Time	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
(1-exp(-NKTau)	0	0.981684	0	0	0	0	0	0	0	0.99177	0	0	0	0	0	0
(1-exp(-KTime)																
Cpmaxxss=S*F*D*(1-exp(-KT'))*(1-exp(-NKTau)) / (ClT'*(1-exp(-Ktau)))	0	40.39371	0	0	0	0	0	0	0	40.80872	0	0	0	0	0	0
Cmin=Cmax*exp(-K(time))	19.60027	17.73506	36.54974	33.07158	29.9244	27.07672	24.50003	22.16854	20.05892	18.15007	36.92526	33.41136	30.23184	27.3549	24.75174	22.3963
Level Due to 2 hour Infusion C=S*F*D*(1-KT')/(ClT')	11.89532	22.65866							11.89532	22.65866						
Cp Total	31.49559	40.39371	36.54974	33.07158	29.9244	27.07672	24.50003	22.16854	31.95425	40.80872	36.92526	33.41136	30.23184	27.3549	24.75174	22.3963
AUC per Interval	245.1803								247.8344							

AUCss by Graphic (Sum serum levels to calculated Area under Curve)	743.5031
Cpmaxxss=S*F*D*(1-exp(-KT')) / (ClT'*(1-exp(-Ktau)))	41.14735
Cpminss = Cpmaxss *exp(-k(Tau-T'))	22.58215
AUC SS Calculation (cmin+cmax)*(T'/2)*(24/Tau) + ((cmaxss-Cminss)/K)*(24/tau)	748.1447