Supplemental Table 2: Plasma pharmacokinetic parameters (median [range]) derived from a 1-or 2-compartmental model with first-order absorption for gabapentin in horses after oral administration at 40 and 120 mg/Kg of body weight q 12 h for 14 days.

PK parameter	Unit	40 mg/Kg	40 mg/Kg	120 mg/Kg	120 mg/Kg
		first dose (n=6)	last dose (n=6)	first dose (n=5)	last dose (n=6)
K01	1/h	1.11	12.0	1.33	44
		(0.73-2.98)	(4.89-18.1)	(0.78-1.43)	(18-68)
K01_HL	h	0.63	0.07	0.52	0.02
		(0.23-0.95)	(0.04-0.14)	(0.49-0.88)	(0.01-0.04)
K10	1/h	0.08	0.06	0.08	0.05
		(0.02-0.21)	(0.02-0.13)	(0.05-0.13)	(0.03-0.08)
K10_HL	h	11	11	9.16	15
		(3.4-44)	(5.54-28.8)	(5.51-14.6)	(8.3-21)
k12	1/h	0.63	0.51	0.19	0.06
		(0.38-0.9)	(0.03-4.11)	(0.08-0.83)	(0.01-0.08)
k21	1/h	0.12	0.79	0.16	0.24
		(0.09-0.27)	(0.15-3.19)	(0.04-0.29)	(0.04-0.43)
Tmax	h	1.3	0.34	1.89	0.15
		(1.00-2.56)	(0.23-0.5)	(1.1-2.7)	(0.09-0.29)
Cmax	ug/mL	6.5	7.8	9.4	22
		(5.1-8.2)	(6.5-10)	(5.0-2.3)	(13-28)
AUC _{0-∞}	ug*h/mL	200	140 ^a	130	500 ^b
		(55-840)	(99-400)	(78-860)	(250-620)
AUC _{0-12h}	ug*h/mL	39 ^a	62 ^b	63 ^b	180 ^c
		(25-72)	(48-98)	(45-162)	(120-220)

AUC_{0-∞}= area under the plasma concentration-time curve from 0 hours to infinity after dosing; AUC_{0-12h} = area under the plasma concentration-time curve from 0 hours to infinity after dosing Cmax = maximum concentration; Tmax = time to maximum concentration, K01 = Absorption rate constant. K01_HL: half-life of absorption. K10 = terminal rate constant. K10_HL = Half-life of the terminal portion of the curve after oral administration. k12 and k21 = Microdistribution rate constants from the central compartment (1) to peripheral compartment (2) and from the peripheral (2) to central compartment (1), respectively. For the 40 mg/Kg dosage regimen, data from 3 and 5 horses were modeled using a 2-compartmental approach after the first and last dose, respectively. For the 120 mg/Kg dosage regimen, data from 3 were modeled using a 2-compartmental approach. The median AUC_{0-∞} for each dose level was compared statistically using the Mann-Whitney U test. The % extrapolated ranged between 3 and 22% and from 2.4 to 11% for the 40 and 120 mg/Kg, respectively. The different superscripts indicate p<0.05. AUC_{0-12h} was only compared within each dose level. AUC_{0-∞} was only compared between each dose level after the last treatment.