

**Supplemental Table 1:** Biochemistry parameters (mean and standard deviation) for trial 1 and trial 2. No significant difference was found between any of the parameters.

Timeframe	Glucose mg/dl	Creatinine mg/dl	BUN mg/dl	BUN/ Creatinine	Ca <sup>2+</sup> mg/dl	Total Protein mg/dl	Albumin mg/dl	Globulin mg/dl	AST U/L	ALKP U/L	GGT U/L	Total Bilirubin U/L
<b>Trial 1 Pre-gabapentin</b>	89.8 ± 9.0	1.4 ± 0.6	11.7 ± 1.7	10.3 ± 7.6	10.7 ± 0.3	6.0 ± 0.6	2.7 ± 0.1	3.9 ± 0.2	305 ± 126	135 ± 7.2	17 ± 4.6	1.7± 0.6
<b>Trial 1 Day 7</b>	88.1 ± 7.8	1.5 ± 0.3	11.0 ± 1.8	7.2 ± 1.2	10.6 ± 0.5	6.4 ± 0.3	2.6 ± 0.1	3.8 ± 0.2	345 ± 210	120 ± 15.2	19 ± 4.5	1.5± 0.4
<b>Trial 1 Day 14</b>	89.5 ± 3.1	1.6 ± 0.3	11.2 ± 2.9	7.0 ± 1.5	10.7 ± 0.3	6.4 ± 0.204	2.6 ± 0.1	3.7 ± 0.2	384 ± 234	116 ± 15.59	19 ± 4.0	1.6± 0.6
<b>Trial 2 Pre-gabapentin</b>	87.8 ± 3.6	1.3 ± 0.2	10.2 ± 1.9	7.5 ± 2.0	10.3 ± 0.2	6.8 ± 0.4	2.7 ± 0.1	4.1 ± 0.	298 ± 84	124 ± 14.5	20 ± 4.099	1.2± 0.3
<b>Trial 2 Day 7</b>	88.3 ± 3.8	1.5 ± 0.4	12.7 ± 3.3	9.0 ± 3.3	10.3 ± 0.4	6.8 ± 0.2	2.6 ± 0.2	4.1 ± 0.1	275 ± 276	124 ± 16.35	17 ± 2.5	1.6± 0.6
<b>Trial 2 Day 7</b>	85.8 ± 10.5	1.5 ± 0.4	10.0 ± 3.3	6.7 ± 3.7	10.7 ± 0.4	6.8 ± 0.2	2.7 ± 0.1	4.1 ± 0.3	267. ± 44	122 ± 12.02	16 ± 3.1	1.3± 0.5
<b>Reference Range*</b>	64-150	0.8-2.2	10-25		10-12.9	5.6-7.9	1.9-3.2	2.4-4.7	100-600	10-326	0-87	0.0-3.5

\*Reference range Idexx Laboratories Equine Clip 15