

## SPOTCHEM™ EZ NORMAL VETERINARY REFERENCE RANGES

Parameters	Dog	Cat	Rabbit	Ferret	Horse	Cow	Pig	Sheep	Linear Range	Units
ALT/GPT	< 100	< 100	< 100	< 380			< 37	< 10	10-1000	U/L
Albumin	22-35	23-35	39-53	22-37	26-41		28-52	26-38	10-60	g/L
ALP	< 130	< 130	< 220	< 70	97-269	< 332			50-1500	U/L
Amylase	< 1000	< 1400	< 1000	< 18					10-1450	U/L
AST/GOT	< 36	< 53	< 100	< 106	22-488	< 112	< 57	21-216	0.17-16.67	U/L
Urea (BUN)	2.3-9.1	3-10.2	4-8	3.6-12.3	3.9-9.6	< 9	< 6	< 12	1.8-71.4	mmol/L
CK/CPK	< 220	< 235	< 1100		< 269	< 170			50-2000	U/L
Phosphate	0.6-1.8	0.9-2.3	0.5-1.5	0.84-2.22	0.5-1.7	1.36-2.74	2.3-4.1		0.16-6.46	mmol/L
Fructosamine	210-390	175-300	275-450						50 - 1000	µmol/L
GGT	< 14	< 10	< 15		16-56	< 65	13.2-96	76-156	10-1500	U/L
Glucose	4-6.8	3.5-7.8	5.4-9	4.5-8	3.9-6.3	2.5-4.1		2.0-4.4	1.1-25	mmol/L
Calcium	2.2-3.3	2.15-3.25	2.5-4.25	1.81-3.06	2.8-3.4	2.43-3.1	2.62 – 3.4	2.4-3.2	0.75-4.99	mmol/L
Cholesterol	2.9-7.9	1.55-6.9	< 2.0	2.74-7.21	1.9-3.9	2.07-3.11			1.29-10.34	mmol/L
Creatinine	55-139	80-164	48-188	18-92	116-180		118-217	37-105	27-3536	mmol/L
LDH	< 624	< 498	< 100	< 546	162-414	690-1446	< 2652	186-1386	100-4000	U/L
Magnesium	0.67-1.03	0.78-1.15	0.7-1.07		0.5-0.82	0.66-1.07		0.64-1.4	0.08-2.47	mmol/L
Tot. Bilirubin	< 8	< 8	< 15	< 12	< 34	< 8	< 11	< 10	2-428	µmol/L
Tot. Protein	47-69	52-77	50-76	50-79	62-94	73-101	59-87	44-68	20-110	g/L
Triglyceride	< 1.6	< 1.5	< 3.0						0.28-5.65	mmol/L
Uric Acid	< 59	< 59							59-1190	µmol/L
Sodium	136-156	144-162	129-150		132-146	132-153	139-152	136-154	50 – 250	mmol/L
Potassium	3.4-5.4	3- 5	3.5-5.6		2.4-4.7	3.9-5.8	4.9-7.1	4-6	1-15	mmol/L
Chloride	110-115	117-123	90-120		99-109	97-111	100-105	98-115	50-200	mmol/L