

Chemistry Reference Intervals and Reportable Ranges

PARAMETERS	RECOMMENDED REFERENCE INTERVALS			REPORTABLE RANGE
	DOG	CAT	HORSE	
Albumin (g/dL)	2.7-4.1	2.4-3.4	2.8-3.9	1.0-6.0
ALP (U/L)	0-229	0-63	70-290	20-993
ALT (U/L)	0-153	0-108	NA	10-1000
Amylase (U/L)	0-1478	0-1586	15-110	100-2500
AST (U/L)	0-53	0-56	NA	10-1000
BUN (mg/dL)	10.0-33.0	18.9-36.0	100-360	5-140
Calcium (mg/dL)	9.1-11.9	8.8-11.4	10-25	4.0-15.3
Chloride (mEq/L)	103-121	106-124	11.0-14.2	50-175
Cholesterol (mg/dL)	145-402	83-305	65-95	50-450
Creatinine (mg/dL)	0.5-1.4	0.6-2.2	50-400	0.2-24.0
GGT (U/L)	0-13	0-10	0.7-1.8	10-1200
Globulin (g/dL)	2.4-4.1	3.2-5.4	10-37	-
Glucose (mg/dL)	69-148	82-173	80-120	10-600
Lipase (U/L)	0-320	0-31	NA	10-1000
Magnesium (mg/dL)	1.6-2.5	1.8-2.6	NA	0.2-7.0
Phosphorus (mg/dL)	2.3-5.8	2.8-6.7	1.5-4.5	0.5-15.0
Potassium (mEq/L)	3.4-5.0	3.1-4.7	2.4-4.6	1.0-14.0
Sodium (mEq/L)	145-155	152-161	103-142	75-250
Total Bilirubin (mg/dL)	0.0-0.8	0.0-0.5	0.0-2.5	0.2-29.7
Total Protein Plasma (g/dL)	5.4-7.6	5.8-8.7	5.5-8.0	2.0-11.0
Total Protein Serum (g/dL)	NA	NA	5.2-7.5	2.0-11.0
Triglycerides (mg/dL)	19-170	12-117	NA	10-500

PARAMETERS	RECOMMENDED REFERENCE INTERVALS				REPORTABLE RANGE
	MOUSE	RABBIT	FERRET	COW	
Albumin (g/dL)	3.0–4.0	3.0–3.4	2.6–3.8	2.5–3.7	1.0–6.0
ALP (U/L)	0–260	0–120	10–120	0–80	20–993
ALT (U/L)	10–190	10–100	10–180	NA	10–1000
AST (U/L)	10–380	10–100	10–150	10–160	10–1000
Amylase (U/L)	NE	NE	NE	NE	100–2500
BUN (mg/dL)	20–26	14–23	10–45	10–25	5–140
Calcium (mg/dL)	7.9–10.5	13.0–15.0	8.0–11.8	8.3–10.4	4.0–15.3
Total Cholesterol (mg/dL)	NE	22–70	80–210	70–280	50–450
CK (U/L)	NE	50–275	NE	50–265	10–2000
Creatinine (mg/dL)	0.5–1.6	0.8–2.9	0.3–0.9	0.4–1.0	0.2–24.0
GGT (U/L)	NE	NE	NE	10–39	10–1200
Glucose (mg/dL)	190–280	85–145	65–160	40–76	10–600
Magnesium (mg/dL)	1.7–3.0	2.0–3.0	NE	1.7–2.2	0.2–7.0
Phosphorus (mg/dL)	5.6–9.2	5.6–9.2	4.0–8.7	4.2–7.7	0.5–15.0
Total Bilirubin (mg/dL)	0.2–0.8	0.2–0.7	0.2–0.5	0.2–0.3	0.2–29.7
Total Protein (g/dL)–Serum (g/L)	5.0–7.0	5.0–8.5	5.3–7.2	5.8–8.5	2.0–11.0

Reference intervals for Mouse, Rabbit, Ferret and Cow are guidelines for interpretation compiled from various published sources. Because of population and strain differences, it is recommended that users adopt or generate reference intervals if a more specific guideline is required. NA=Not applicable. NE=Not established.

For further assistance, please call Antech’s Technical Support Services at 800-872-1001, opt 3 US or 800-341-3440, opt 3 CA.