

Biochemistry Reference Intervals

	Units	Canine	Feline	Bovine	Equine	Porcine	Ovine
Sodium	mmol/L	144-151	149-156	135-151	135-148	140-150	143-151
Potassium	mmol/L	3.9-5.3	3.3-5.2	3.9-5.9	3.0-5.0	4.7-7.1	4.6-7.0
Chloride	mmol/L	105-117	112-122	96-110	98-110	100-105	102-116
Calcium	mmol/L	2.02-2.91	2.28-2.85	2.11-2.75	2.80-3.44	1.80-2.90	2.30-2.86
Phosphorus	mmol/L	0.84-1.83	0.94-1.95	1.08-2.76	1.00-1.80	1.30-3.55	0.82-2.66
Magnesium	mmol/L	0.70-1.16	0.74-1.12	0.80-1.32	0.74-1.02	0.78-1.60	0.90-1.26
Urea	mmol/L	2.8-9.8	6.4-11.8	3.0-7.5	3.5-7.0	3.0-8.5	2.0-10.0
Creatinine	μmol/L	54-122	67-157	40-148	78-143	90-240	69-105
Glucose	mmol/L	4.0-6.3	3.2-6.7	1.8-3.8	3.6-5.6	3.6-5.3	1.2-3.6
Cholesterol	mmol/L	3.87-8.39	1.80-5.83	-	1.20-4.60	-	-
Total Bilirubin	μmol/L	0-4	0-4	0-30	4-102	0-4	0-5
Direct Bilirubin	μmol/L	0-4	0-4	0-3	0-7	0-4	0-5
ALP	IU/L	18-113	14-49	0- 121	95-233	10-400	66-158
CK	IU/L	44-249	58-489	0- 350	0- 500	0- 500	0- 350
AST	IU/L	18-55	11-44	46-118	197-429	25-57	48-128
ALT	IU/L	13-69	34-90	-	10-23	34-58	-
GGT	IU/L	0-7	0-6	0-31	0- 25	0- 25	0- 79
Total Protein	g/L	56-71	65-84	66-78	60-77	34-60	61-81
Albumin	g/L	30-36	25-37	23-43	25-36	18-22	27-39
Globulin	g/L	25-38	33-54				
A/G Ratio	-	0.7-1.5	0.50-0.90	0.66-1.30	0.60-1.50	0.60-1.50	0.54-1.22
Amylase	IU/L	324-1005	639-1364	-	-	-	-
Lipase	IU/L	78-583	16-139	-	-	-	-
SDH	IU/L	0-10	0-18	4-25	1-15	1-10	5-28

Blood Gases:

pH	-	7.31-7.42	7.24-7.40	7.35-7.50	7.20-7.55	7.30-7.50	7.32-7.50
pCO₂ venous	mmHg	34-45	25-35	34-45	38-46	35-45	35-45
pO₂ arterial	mmHg	80-110	80-110	80-110	80-110	80-110	80-110
HCO₃	mmol/L	24±4	24±4	24±4	24±4	24±4	24±4
Base Excess	-	0±3	0±3	0±3	0±3	0±3	0±3