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QR-CLP-19	2	Chemistry Reference Intervals	Active	6/5/2023

Test	Bovine Dairy	Bovine Beef	Equine	Ovine	Caprine	Llama	Alpaca	Canine	Feline	Porcine
Albumin, g/dL	3.2-4.1	3.1-4.1	2.9-4.1	2.5-3.9	2.7-3.8	3.0-4.2	3.5-4.9	2.6-3.8	2.7-4.1	2.4-3.8
ALP, U/L	-	-	82-273	10-70	18-384	-	-	10-115	9-83	-
ALT, U/L	-	-	-	-	-	-	-	18-97	19-85	-
Ammonia, ug/mL	-	-	0.05-0.6	-	-	-	-	0-0.6	0-0.68	-
Anion gap	16-22	17-26	10-21	-	-	2-18	15-27	13-25	13-25	-
AST, U/L	46-189	51-114	186-428	60-110	0-160	66-235	127-298	-	-	30-90
BHBA, mg/dL	3.24-7.62	1.55-5.96	1.09-4.09	-	1.1-4.2	0.12-0.75	-	-	-	-
Bile acid, fasting, umol/L	-	-	-	-	-	1.1-22.9	-	0-11	0-10	-
Bile acid, non-fasting, umol/L	-	-	1.4-9.4	-	-	-	-	-	-	-
Bilirubin, total, mg/dL	0.1-0.3	0.1-0.5	0.5-2.1	0-0.5	0-0.2	0-0.3	0.1-0.4	0.1-0.6	0.1-0.3	0-0.5
BUN, mg/dL	8-27	2-18	9-25	10-35	9.5-33.5	24-44	13-28	8-26	16-32	10-30
Calcium, mg/dL	8.2-10.0	8.7-10.9	11.1-13.3	8.5-12.0	7.8-10	8.4-10.8	8.4-10.4	9.2-10.8	8-11	7-11.5
Chloride, mEq/L	96-110	91-109	97-104	95-112	104-115	109-125	100-115	108-118	112-124	94-110
Cholesterol, mg/dL	43-331	54-237	53-121	40-76	46-155	13.3-52.4	12-68.1	144-367	80-335	80-150
CK, U/L	69-268	47-303	46-375	50-150	0-318	0-552	43-750	44-322	58-517	60-200
Creatinine, mg/dL	0.5-1.4	1.0-2.0	0.6-1.8	0.9-2.0	0.4-0.9	1.5-2.7	0.9-1.7	0.6-1.3	0.6-2.0	1.0-2.7
GGT, U/L	12-49	1-31	7-19	30-94	0-52	16-46	10-37	1-6	0-3	29-39
Globulins, g/dl	-	-	1.8-3.9	-	-	-	-	2.3-3.8	2.5-4.6	-
Glucose, mg/dL	51-77	37-103	72-114	50-85	41-74	89-132	88-151	67-124	58-143	85-150
Magnesium, mg/dL	2.0-3.9	1.6-2.5	1.4-2.4	2.2-2.8	2.0-2.9	1.6-4.9	1.4-2.2	1.8-2.4	2.0-2.5	2.7-3.7
NEFA, mmol/L	0.04-0.34	0-0.91	0-0.2-0.51	-	0.05-0.95	0-0.24	0-0.24	-	-	-
Phosphorus, mg/dL	5.2-7.9	5.3-10.3	2.1-5.8	5.0-7.5	2.6-10.8	1.3-10.1	5.1-11.5	2.4-6.3	2.9-7.1	5.3-9.6
Potassium, mEq/L	3.8-5.2	3.5-5.6	2.6-4.5	4.5-6.0	3.4-6.4	3.8-7.3	4.1-6.3	3.9-5.1	3.6-5.2	4.4-6.5
Protein, Total, g/dL	6.3-8.7	6.0-8.4	5.5-7.2	5.5-7.5	5.9-8.1	5.3-7.3	5.1-6.9	5.2-7.0	5.6-8.0	5.5-6.5
Sodium, mEq/L	137-148	141-150	134-143	145-155	142-150	146-156	142-154	144-151	146-160	135-150
SDH, U/L	6.4-58.8	0-50	0-10.9	6-27	0-157	0-22	1.5-15.7	-	-	1.0-5.8
tCO ₂ , mEq/L	21-30	22-35	28-36	21-28	17-26	19-29	23-33	16-28	15-24	22-30

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Triglycerides, mg/dL	9-38	14-46	10-45	-	7-39	8-56	-	22-120	20-100	-
ACTH, pg/uL August-October	-	-	0-119	-	-	-	-	-	-	-
ACTH, pg/uL November-July	-	-	0-31	-	-	-	-	-	-	-
Total T4, mcg/dL	-	-	-	-	-	-	-	1.0-4.0	1.8-4.5	-