

Reference Ranges and Reportable Ranges

Parameters (Units)	Dog		Cat		Horse		Measurement Range
	Arterial	Venous	Arterial	Venous	Arterial	Venous	
pH	7.36–7.46	7.36–7.46	7.25–7.43	7.25–7.43	7.36–7.49	7.36–7.49	6.5–8.0
pCO ₂ (mmHg)	35–41	30–47	29–35	31–51	36–47	38–49	5.0–250.0
pO ₂ (mmHg)	89–104	24–54	90–112	27–50	80–112	24–44	5.0–750.0
Na ⁺ (mmol/L)	140–151	140–151	148–163	148–163	129–143	129–143	85–180
K ⁺ (mmol/L)	3.5–5	3.5–5	3.6–5.6	3.6–5.6	2.3–4.7	2.3–4.7	1.5–12.0
Cl ⁻ (mmol/L)	106–127	106–127	111–128	111–128	94–108	94–108	65–140
Ca ⁺⁺ (mmol/L)	1.13–1.42	1.13–1.42	1.21–1.51	1.21–1.51	1.4–1.77	1.4–1.77	0.25–4.00
Glu (mg/dL)	63–124	63–124	63–133	63–133	80–120	80–120	20–700
Lac (mmol/L)	0.6–3.0	0.6–3.0	0.5–3.2	0.5–3.2	0.4–1.7	0.4–1.7	0.30–20.00
Crea (mg/dL)	0.4–1.5	0.4–1.5	0.5–1.9	0.5–1.9	0.6–2.0	0.6–2.0	0.31–15.00
Hct (%)	36–55	36–55	28–50	28–50	30–47	30–47	10–75
cHgb (g/dL)	12–19	12–19	9.5–17	9.5–17	10.2–16.0	10.2–16.0	3.3–25.0
cHCO ₃ ⁻ (mmol/L)	20–25	16–28	16–24	15–27	26–35	26–35	1.0–85.0
cTCO ₂ (mmol/L)	18–28	18–28	17–26	17–26	27–37	27–37	1.0–85.0
BE(ecf) (mmol/L)	-5–5	-5–5	-5–2	-5–2	0–10	0–10	-30.0–30.0
BE(b) (mmol/L)	-4–4	-4–4	-5–2	-5–2	0–10	0–10	-30.0–30.0
cSO ₂ (%)	90–100	40–90	90–100	50–80	90–100	40–84	0.0–100.0
AGapK (mmol/L)	5–22	5–22	9–26	9–26	5–15	5–15	-10–99