

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Canine—Puppy | |
|-----------------|------------------|-------------------|
| | U.S. Units | S.I. Units |
| ALB | 2.1–3.6 g/dL | 21–36 g/L |
| ALKP | 46–337 U/L | 46–337 U/L |
| ALT | 8–75 U/L | 8–75 U/L |
| AMYL | 300–1300 U/L | 300–1300 U/L |
| AST | 0–50 U/L | 0–50 U/L |
| BUN/UREA | 7–29 mg/dL | 2.5–10.4 mmol/L |
| Ca | 7.8–12.6 mg/dL | 1.95–3.15 mmol/L |
| CHOL | 100–400 mg/dL | 2.58–10.34 mmol/L |
| CK | 99–436 U/L | 99–436 U/L |
| CREA | 0.3–1.2 mg/dL | 27–106 µmol/L |
| CRP | 0.0–1.0 mg/dL | 0.0–10.0 mg/L |
| FRU | 177–314 µmol/L | 177–314 µmol/L |
| GGT | 0–2 U/L | 0–2 U/L |
| GLOB | 2.3–3.8 g/dL | 23–38 g/L |
| GLU | 77–150 mg/dL | 4.28–8.33 mmol/L |
| LAC | 0.50–2.50 mmol/L | 0.50–2.50 mmol/L |
| LDH | 0–273 U/L | 0–273 U/L |
| LIPA | 100–1500 U/L | 100–1500 U/L |
| Mg | 1.20–2.04 mg/dL | 0.50–0.85 mmol/L |
| NH ₃ | 0–99 µmol/L | 0–99 µmol/L |
| PHOS | 5.1–10.4 mg/dL | 1.65–3.35 mmol/L |
| PL | ≤200 U/L | ≤200 U/L |
| SDMA | 0–16 µg/dL | 0–16 µg/dL |
| TBIL | 0.0–0.8 mg/dL | 0–14 µmol/L |
| TP | 4.8–7.2 g/dL | 48–72 g/L |
| TRIG | 0–33 mg/dL | 0.00–0.37 mmol/L |
| TT ₄ | 1.0–4.0 µg/dL | 13.0–51.0 nmol/L |
| URIC | 0.0–1.0 mg/dL | 0–60 mmol/L |
| Na ⁺ | 145–157 mmol/L | 145–157 mmol/L |
| K ⁺ | 3.5–5.5 mmol/L | 3.5–5.5 mmol/L |
| Cl ⁻ | 105–119 mmol/L | 105–119 mmol/L |

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

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| Chemistries | Canine—Adult | |
|-----------------|------------------|------------------|
| | U.S. Units | S.I. Units |
| ALB | 2.3–4.0 g/dL | 23–40 g/L |
| ALKP | 23–212 U/L | 23–212 U/L |
| ALT | 10–125 U/L | 10–125 U/L |
| AMYL | 500–1500 U/L | 500–1500 U/L |
| AST | 0–50 U/L | 0–50 U/L |
| BUN/UREA | 7–27 mg/dL | 2.5–9.6 mmol/L |
| Ca | 7.9–12.0 mg/dL | 1.98–3.00 mmol/L |
| CHOL | 110–320 mg/dL | 2.84–8.27 mmol/L |
| CK | 10–200 U/L | 10–200 U/L |
| CREA | 0.5–1.8 mg/dL | 44–159 µmol/L |
| CRP | 0.0–1.0 mg/dL | 0.0–10.0 mg/L |
| FRU | 177–314 µmol/L | 177–314 µmol/L |
| GGT | 0–11 U/L | 0–11 U/L |
| GLOB | 2.5–4.5 g/dL | 25–45 g/L |
| GLU | 74–143 mg/dL | 4.11–7.94 mmol/L |
| LAC | 0.50–2.50 mmol/L | 0.50–2.50 mmol/L |
| LDH | 40–400 U/L | 40–400 U/L |
| LIPA | 200–1800 U/L | 200–1800 U/L |
| Mg | 1.40–2.38 mg/dL | 0.58–0.99 mmol/L |
| NH ₃ | 0–98 µmol/L | 0–98 µmol/L |
| PHOS | 2.5–6.8 mg/dL | 0.81–2.19 mmol/L |
| PL | ≤200 U/L | ≤200 U/L |
| SDMA | 0–14 µg/dL | 0–14 µg/dL |
| TBIL | 0.0–0.9 mg/dL | 0–15 µmol/L |
| TP | 5.2–8.2 g/dL | 52–82 g/L |
| TRIG | 10–100 mg/dL | 0.11–1.13 mmol/L |
| TT ₄ | 1.0–4.0 µg/dL | 13.0–51.0 nmol/L |
| URIC | 0.0–1.0 mg/dL | 0–60 mmol/L |
| Na ⁺ | 144–160 mmol/L | 144–160 mmol/L |
| K ⁺ | 3.5–5.8 mmol/L | 3.5–5.8 mmol/L |
| Cl ⁻ | 109–122 mmol/L | 109–122 mmol/L |

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| Chemistries | Canine—Geriatric | |
|-----------------|------------------|------------------|
| | U.S. Units | S.I. Units |
| ALB | 2.2–3.9 g/dL | 22–39 g/L |
| ALKP | 23–212 U/L | 23–212 U/L |
| ALT | 10–125 U/L | 10–125 U/L |
| AMYL | 500–1500 U/L | 500–1500 U/L |
| AST | 0–50 U/L | 0–50 U/L |
| BUN/UREA | 7–27 mg/dL | 2.5–9.6 mmol/L |
| Ca | 7.9–12.0 mg/dL | 1.98–3.00 mmol/L |
| CHOL | 110–320 mg/dL | 2.84–8.27 mmol/L |
| CK | 10–200 U/L | 10–200 U/L |
| CREA | 0.5–1.8 mg/dL | 44–159 µmol/L |
| CRP | 0.0–1.0 mg/dL | 0.0–10.0 mg/L |
| FRU | 177–314 µmol/L | 177–314 µmol/L |
| GGT | 0–11 U/L | 0–11 U/L |
| GLOB | 2.5–4.5 g/dL | 25–45 g/L |
| GLU | 70–143 mg/dL | 3.89–7.94 mmol/L |
| LAC | 0.50–2.50 mmol/L | 0.50–2.50 mmol/L |
| LDH | 40–400 U/L | 40–400 U/L |
| LIPA | 200–1800 U/L | 200–1800 U/L |
| Mg | 1.40–2.38 mg/dL | 0.58–0.99 mmol/L |
| NH ₃ | 0–98 µmol/L | 0–98 µmol/L |
| PHOS | 2.5–6.8 mg/dL | 0.81–2.19 mmol/L |
| PL | ≤200 U/L | ≤200 U/L |
| SDMA | 0–14 µg/dL | 0–14 µg/dL |
| TBIL | 0.0–0.9 mg/dL | 0–15 µmol/L |
| TP | 5.2–8.2 g/dL | 52–82 g/L |
| TRIG | 10–100 mg/dL | 0.11–1.13 mmol/L |
| TT ₄ | 1.0–4.0 µg/dL | 13.0–51.0 nmol/L |
| URIC | 0.0–1.0 mg/dL | 0–60 mmol/L |
| Na ⁺ | 144–160 mmol/L | 144–160 mmol/L |
| K ⁺ | 3.5–5.8 mmol/L | 3.5–5.8 mmol/L |
| Cl ⁻ | 109–122 mmol/L | 109–122 mmol/L |

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

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| Chemistries | Feline—Kitten | |
|-----------------|------------------|------------------|
| | U.S. Units | S.I. Units |
| ALB | 2.2–3.9 g/dL | 22–39 g/L |
| ALKP | 14–192 U/L | 14–192 U/L |
| ALT | 12–115 U/L | 12–115 U/L |
| AMYL | 500–1400 U/L | 500–1400 U/L |
| AST | 0–32 U/L | 0–32 U/L |
| BUN/UREA | 16–33 mg/dL | 5.7–11.8 mmol/L |
| Ca | 7.9–11.3 mg/dL | 1.98–2.83 mmol/L |
| CHOL | 62–191 mg/dL | 1.60–4.94 mmol/L |
| CK | 0–394 U/L | 0–394 U/L |
| CREA | 0.6–1.6 mg/dL | 53–141 µmol/L |
| FRU | 191–349 µmol/L | 191–349 µmol/L |
| GGT | 0–1 U/L | 0–1 U/L |
| GLOB | 2.8–4.8 g/dL | 28–48 g/L |
| GLU | 77–153 mg/dL | 4.28–8.50 mmol/L |
| LAC | 0.60–2.50 mmol/L | 0.60–2.50 mmol/L |
| LDH | 0–1128 U/L | 0–1128 U/L |
| LIPA | 40–500 U/L | 40–500 U/L |
| Mg | 1.62–2.23 mg/dL | 0.68–0.93 mmol/L |
| NH ₃ | 0–95 µmol/L | 0–95 µmol/L |
| PHOS | 4.5–10.4 mg/dL | 1.45–3.35 mmol/L |
| PL | ≤4.4 U/L | ≤4.4 U/L |
| SDMA | 0–14 µg/dL | 0–14 µg/dL |
| TBIL | 0.0–0.9 mg/dL | 0–15 µmol/L |
| TP | 5.2–8.2 g/dL | 52–82 g/L |
| TRIG | 8–54 mg/dL | 0.09–0.61 mmol/L |
| TT ₄ | 0.8–4.7 µg/dL | 10.0–60.0 nmol/L |
| URIC | 0.0–1.0 mg/dL | 0–60 mmol/L |
| Na ⁺ | 150–165 mmol/L | 150–165 mmol/L |
| K ⁺ | 3.7–5.9 mmol/L | 3.7–5.9 mmol/L |
| Cl ⁻ | 115–126 mmol/L | 115–126 mmol/L |

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

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| Chemistries | Feline—Adult | |
|-----------------|------------------|------------------|
| | U.S. Units | S.I. Units |
| ALB | 2.2–4.0 g/dL | 22–40 g/L |
| ALKP | 14–111 U/L | 14–111 U/L |
| ALT | 12–130 U/L | 12–130 U/L |
| AMYL | 500–1500 U/L | 500–1500 U/L |
| AST | 0–48 U/L | 0–48 U/L |
| BUN/UREA | 16–36 mg/dL | 5.7–12.9 mmol/L |
| Ca | 7.8–11.3 mg/dL | 1.95–2.83 mmol/L |
| CHOL | 65–225 mg/dL | 1.68–5.81 mmol/L |
| CK | 0–314 U/L | 0–314 U/L |
| CREA | 0.8–2.4 mg/dL | 71–212 µmol/L |
| FRU | 191–349 µmol/L | 191–349 µmol/L |
| GGT | 0–4 U/L | 0–4 U/L |
| GLOB | 2.8–5.1 g/dL | 28–51 g/L |
| GLU | 74–159 mg/dL | 4.11–8.83 mmol/L |
| LAC | 0.60–2.50 mmol/L | 0.60–2.50 mmol/L |
| LDH | 0–798 U/L | 0–798 U/L |
| LIPA | 100–1400 U/L | 100–1400 U/L |
| Mg | 1.50–3.00 mg/dL | 0.63–1.25 mmol/L |
| NH ₃ | 0–95 µmol/L | 0–95 µmol/L |
| PHOS | 3.1–7.5 mg/dL | 1.00–2.42 mmol/L |
| PL | ≤4.4 U/L | ≤4.4 U/L |
| SDMA | 0–14 µg/dL | 0–14 µg/dL |
| TBIL | 0.0–0.9 mg/dL | 0–15 µmol/L |
| TP | 5.7–8.9 g/dL | 57–89 g/L |
| TRIG | 10–100 mg/dL | 0.11–1.13 mmol/L |
| TT ₄ | 0.8–4.7 µg/dL | 10.0–60.0 nmol/L |
| URIC | 0.0–1.0 mg/dL | 0–60 mmol/L |
| Na ⁺ | 150–165 mmol/L | 150–165 mmol/L |
| K ⁺ | 3.5–5.8 mmol/L | 3.5–5.8 mmol/L |
| Cl ⁻ | 112–129 mmol/L | 112–129 mmol/L |

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

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| Chemistries | Feline—Geriatric | |
|-----------------|------------------|------------------|
| | U.S. Units | S.I. Units |
| ALB | 2.3–3.9 g/dL | 23–39 g/L |
| ALKP | 14–111 U/L | 14–111 U/L |
| ALT | 12–130 U/L | 12–130 U/L |
| AMYL | 500–1500 U/L | 500–1500 U/L |
| AST | 0–48 U/L | 0–48 U/L |
| BUN/UREA | 16–36 mg/dL | 5.7–12.9 mmol/L |
| Ca | 7.8–11.3 mg/dL | 1.95–2.83 mmol/L |
| CHOL | 65–225 mg/dL | 1.68–5.81 mmol/L |
| CK | 0–314 U/L | 0–314 U/L |
| CREA | 0.8–2.4 mg/dL | 71–212 µmol/L |
| FRU | 191–349 µmol/L | 191–349 µmol/L |
| GGT | 0–4 U/L | 0–4 U/L |
| GLOB | 2.8–5.1 g/dL | 28–51 g/L |
| GLU | 71–159 mg/dL | 3.94–8.83 mmol/L |
| LAC | 0.60–2.50 mmol/L | 0.60–2.50 mmol/L |
| LDH | 0–798 U/L | 0–798 U/L |
| LIPA | 100–1400 U/L | 100–1400 U/L |
| Mg | 1.50–3.00 mg/dL | 0.63–1.25 mmol/L |
| NH ₃ | 0–95 µmol/L | 0–95 µmol/L |
| PHOS | 3.1–7.5 mg/dL | 1.00–2.42 mmol/L |
| PL | ≤4.4 U/L | ≤4.4 U/L |
| SDMA | 0–14 µg/dL | 0–14 µg/dL |
| TBIL | 0.0–0.9 mg/dL | 0–15 µmol/L |
| TP | 5.7–8.9 g/dL | 57–89 g/L |
| TRIG | 10–100 mg/dL | 0.11–1.13 mmol/L |
| URIC | 0.0–1.0 mg/dL | 0–60 mmol/L |
| TT ₄ | 0.8–4.7 µg/dL | 10.0–60.0 nmol/L |
| Na ⁺ | 150–165 mmol/L | 150–165 mmol/L |
| K ⁺ | 3.5–5.8 mmol/L | 3.5–5.8 mmol/L |
| Cl ⁻ | 112–129 mmol/L | 112–129 mmol/L |

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| Chemistries | Equine—Foal | |
|-----------------|------------------|-------------------|
| | U.S. Units | S.I. Units |
| ALB | 3.0–4.0 g/dL | 30–40 g/L |
| ALKP | 505–4667 U/L | 505–4667 U/L |
| ALT | 0–14 U/L | 0–14 U/L |
| AMYL | 0–10 U/L | 0–10 U/L |
| AST | 0–228 U/L | 0–228 U/L |
| BUN/UREA | 6–27 mg/dL | 2.0–9.6 mmol/L |
| Ca | 9.4–11.8 mg/dL | 2.34–2.96 mmol/L |
| CHOL | 78–458 mg/dL | 2.02–11.83 mmol/L |
| CK | 21–473 U/L | 21–473 U/L |
| CREA | 0.9–1.7 mg/dL | 75–150 µmol/L |
| GGT | 0–71 U/L | 0–71 U/L |
| GLOB | 1.8–3.6 g/dL | 1.8–3.6 g/L |
| GLU | 109–268 mg/dL | 6.05–14.88 mmol/L |
| LAC | 0.50–1.78 mmol/L | 0.50–1.78 mmol/L |
| LDH | 0–1830 U/L | 0–1830 U/L |
| LIPA | 200–1300 U/L | 200–1300 U/L |
| Mg | 1.39–2.88 mg/dL | 0.58–1.20 mmol/L |
| NH ₃ | 0–90 µmol/L | 0–90 µmol/L |
| PHOS | 4.0–7.1 mg/dL | 1.29–2.29 mmol/L |
| TBIL | 0.0–4.1 mg/dL | 0–69 µmol/L |
| TP | 4.7–7.2 g/dL | 47–72 g/L |
| TRIG | 4–166 mg/dL | 0.05–1.87 mmol/L |
| Na ⁺ | 132–146 mmol/L | 132–146 mmol/L |
| K ⁺ | 2.4–4.7 mmol/L | 2.4–4.7 mmol/L |
| Cl ⁻ | 97–108 mmol/L | 97–108 mmol/L |

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| Chemistries | Equine—Yearling | |
|-----------------|------------------|------------------|
| | U.S. Units | S.I. Units |
| ALB | 3.8–4.7 g/dL | 38–47 g/L |
| ALKP | 10–469 U/L | 10–469 U/L |
| ALT | 5–30 U/L | 5–30 U/L |
| AMYL | 0–9 U/L | 0–9 U/L |
| AST | 0–317 U/L | 0–317 U/L |
| BUN/UREA | 11–22 mg/dL | 4.1–8.0 mmol/L |
| Ca | 9.9–12.4 mg/dL | 2.48–3.11 mmol/L |
| CHOL | 53–113 mg/dL | 1.37–2.92 mmol/L |
| CK | 0–354 U/L | 0–354 U/L |
| CREA | 0.4–1.8 mg/dL | 35–157 µmol/L |
| GGT | 0–50 U/L | 0–50 U/L |
| GLOB | 2.4–4.0 g/dL | 24–40 g/L |
| GLU | 58–167 mg/dL | 3.21–9.29 mmol/L |
| LAC | 0.50–1.78 mmol/L | 0.50–1.78 mmol/L |
| LDH | 0–1337 U/L | 0–1337 U/L |
| LIPA | 400–1000 U/L | 400–1000 U/L |
| Mg | 1.55–2.09 mg/dL | 0.65–0.87 mmol/L |
| NH ₃ | 0–90 µmol/L | 0–90 µmol/L |
| PHOS | 4.4–6.3 mg/dL | 1.41–2.03 mmol/L |
| TBIL | 0.0–2.5 mg/dL | 0–42 µmol/L |
| TP | 5.2–8.5 g/dL | 52–85 g/L |
| TRIG | 19–52 mg/dL | 0.21–0.59 mmol/L |
| Na ⁺ | 132–146 mmol/L | 132–146 mmol/L |
| K ⁺ | 2.4–4.7 mmol/L | 2.4–4.7 mmol/L |
| Cl ⁻ | 97–108 mmol/L | 97–108 mmol/L |

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| Equine—Adult | | |
|-----------------|------------------|------------------|
| Chemistries | U.S. Units | S.I. Units |
| ALB | 1.9–3.2 g/dL | 19–32 g/L |
| ALKP | 10–326 U/L | 10–326 U/L |
| ALT | 5–50 U/L | 5–50 U/L |
| AMYL | 0–35 U/L | 0–35 U/L |
| AST | 100–600 U/L | 100–600 U/L |
| BUN/UREA | 10–25 mg/dL | 3.6–8.9 mmol/L |
| Ca | 10.4–12.9 mg/dL | 2.60–3.23 mmol/L |
| CHOL | 50–110 mg/dL | 1.29–2.84 mmol/L |
| CK | 10–350 U/L | 10–350 U/L |
| CREA | 0.8–2.2 mg/dL | 71–194 µmol/L |
| GGT | 0–87 U/L | 0–87 U/L |
| GLOB | 2.4–4.7 g/dL | 24–47 g/L |
| GLU | 64–150 mg/dL | 3.56–8.33 mmol/L |
| LAC | 0.50–1.78 mmol/L | 0.50–1.78 mmol/L |
| LDH | 250–2070 U/L | 250–2070 U/L |
| LIPA | 400–1000 U/L | 400–1000 U/L |
| Mg | 1.70–2.43 mg/dL | 0.71–1.01 mmol/L |
| NH ₃ | 0–90 µmol/L | 0–90 µmol/L |
| PHOS | 1.8–5.6 mg/dL | 0.58–1.81 mmol/L |
| TBIL | 0.0–3.5 mg/dL | 0–60 µmol/L |
| TP | 5.6–7.9 g/dL | 56–79 g/L |
| TRIG | 11–68 mg/dL | 0.13–0.76 mmol/L |
| Na ⁺ | 133–150 mmol/L | 133–150 mmol/L |
| K ⁺ | 3.0–5.3 mmol/L | 3.0–5.3 mmol/L |
| Cl ⁻ | 97–109 mmol/L | 97–109 mmol/L |

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| Chemistries | Equine—Brood Mare | |
|-----------------|-------------------|------------------|
| | U.S. Units | S.I. Units |
| ALB | 4.0–4.9 g/dL | 40–49 g/L |
| ALKP | 10–565 U/L | 10–565 U/L |
| ALT | 0–20 U/L | 0–20 U/L |
| AMYL | 0–8 U/L | 0–8 U/L |
| AST | 0–333 U/L | 0–333 U/L |
| BUN/UREA | 11–29 mg/dL | 3.9–10.2 mmol/L |
| Ca | 10.0–12.6 mg/dL | 2.50–3.15 mmol/L |
| CHOL | 50–96 mg/dL | 1.28–2.48 mmol/L |
| CK | 0–504 U/L | 0–504 U/L |
| CREA | 0.6–1.7 mg/dL | 56–149 µmol/L |
| GGT | 0–68 U/L | 0–68 U/L |
| GLOB | 3.0–4.7 g/dL | 30–47 g/L |
| GLU | 46–137 mg/dL | 2.53–7.59 mmol/L |
| LAC | 0.50–1.78 mmol/L | 0.50–1.78 mmol/L |
| LDH | 0–1909 U/L | 0–1909 U/L |
| LIPA | 400–1000 U/L | 400–1000 U/L |
| Mg | 1.38–3.02 mg/dL | 0.58–1.26 mmol/L |
| NH ₃ | 0–90 µmol/L | 0–90 µmol/L |
| PHOS | 3.1–11.2 mg/dL | 1.00–3.61 mmol/L |
| TBIL | 0.0–2.1 mg/dL | 0–36 µmol/L |
| TP | 5.0–9.0 g/dL | 50–90 g/L |
| TRIG | 6–80 mg/dL | 0.07–0.90 mmol/L |
| Na ⁺ | 132–146 mmol/L | 132–146 mmol/L |
| K ⁺ | 2.4–4.7 mmol/L | 2.4–4.7 mmol/L |
| Cl ⁻ | 97–108 mmol/L | 97–108 mmol/L |

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| Chemistries | Amazon Blue Parrot† | |
|-----------------|---------------------|--------------------|
| | U.S. Units | S.I. Units |
| ALB | 0.7–1.7 g/dL | 7–17 g/L |
| ALKP | 15–109 U/L | 15–109 U/L |
| ALT | 0–19 U/L | 0–19 U/L |
| AMYL | 402–882 U/L | 402–882 U/L |
| AST | 73–160 U/L | 73–160 U/L |
| BUN/UREA | 1–3 mg/dL | 0.2–1.1 mmol/L |
| Ca | 8.1–11.3 mg/dL | 2.03–2.83 mmol/L |
| CHOL | 210–471 mg/dL | 5.43–12.17 mmol/L |
| CK | 97–450 U/L | 97–450 U/L |
| CREA | 0.0–0.1 mg/dL | 0–9 µmol/L |
| GGT | 1–12 U/L | 1–12 U/L |
| GLU | 232–296 mg/dL | 12.87–16.46 mmol/L |
| LDH | 178–395 U/L | 178–395 U/L |
| LIPA | 85–204 U/L | 85–204 U/L |
| Mg | 3.19–3.84 mg/dL | 1.33–1.60 mmol/L |
| NH ₃ | 166–585 µmol/L | 166–585 µmol/L |
| PHOS | 2.0–4.0 mg/dL | 0.65–1.30 mmol/L |
| TP | 3.7–5.0 g/dL | 37–50 g/L |
| TRIG | 102–264 mg/dL | 1.15–2.98 mmol/L |
| URIC | 1.3–5.7 mg/dL | 77–339 mmol/L |
| Na ⁺ | 139–155 mmol/L | 139–155 mmol/L |
| K ⁺ | 1.7–4.2 mmol/L | 1.7–4.2 mmol/L |
| Cl ⁻ | 108–124 mmol/L | 108–124 mmol/L |

†Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Amazon Yellow Parrot† | |
|-----------------|-----------------------|--------------------|
| | U.S. Units | S.I. Units |
| ALB | 0.7–1.3 g/dL | 7–13 g/L |
| ALKP | 31–198 U/L | 31–198 U/L |
| ALT | 0–7 U/L | 0–7 U/L |
| AMYL | 264–798 U/L | 264–798 U/L |
| AST | 67–151 U/L | 67–151 U/L |
| BUN/UREA | 1–3 mg/dL | 0.2–1.0 mmol/L |
| Ca | 7.7–10.5 mg/dL | 1.94–2.63 mmol/L |
| CHOL | 140–317 mg/dL | 3.63–8.18 mmol/L |
| CK | 98–646 U/L | 98–646 U/L |
| CREA | 0.0–0.1 mg/dL | 0–10 µmol/L |
| GGT | 2–19 U/L | 2–19 U/L |
| GLU | 220–295 mg/dL | 12.22–16.40 mmol/L |
| LDH | 160–427 U/L | 160–427 U/L |
| LIPA | 75–276 U/L | 75–276 U/L |
| Mg | 2.26–3.74 mg/dL | 0.94–1.56 mmol/L |
| NH ₃ | 138–444 µmol/L | 138–444 µmol/L |
| PHOS | 1.1–3.3 mg/dL | 0.34–1.06 mmol/L |
| TBIL | 0.0–0.1 mg/dL | 0–2 µmol/L |
| TP | 3.4–4.6 g/dL | 34–46 g/L |
| TRIG | 91–215 mg/dL | 1.03–2.43 mmol/L |
| URIC | 0.6–6.1 mg/dL | 36–363 mmol/L |
| Na ⁺ | 139–155 mmol/L | 139–155 mmol/L |
| K ⁺ | 1.7–4.2 mmol/L | 1.7–4.2 mmol/L |
| Cl ⁻ | 108–124 mmol/L | 108–124 mmol/L |

†Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | African Grey Parrot† | |
|-----------------|----------------------|--------------------|
| | U.S. Units | S.I. Units |
| ALB | 0.8–4.9 g/dL | 8–49 g/L |
| ALKP | 24–94 U/L | 24–94 U/L |
| ALT | 2–21 U/L | 2–21 U/L |
| AMYL | 211–519 U/L | 211–519 U/L |
| AST | 28–200 U/L | 28–200 U/L |
| BUN/UREA | 1–124 mg/dL | 0.2–44.3 mmol/L |
| Ca | 7.0–9.5 mg/dL | 1.75–2.38 mmol/L |
| CHOL | 217–330 mg/dL | 5.61–8.53 mmol/L |
| CK | 71–408 U/L | 71–408 U/L |
| CREA | 0.1–0.4 mg/dL | 9–35 µmol/L |
| GGT | 0–900 U/L | 0–900 U/L |
| GLOB | 2.1–3.2 g/dL | 21–32 g/L |
| GLU | 224–308 mg/dL | 12.45–17.11 mmol/L |
| LDH | 105–420 U/L | 105–420 U/L |
| LIPA | 0–1250 U/L | 0–1250 U/L |
| Mg | 0.00–3.84 mg/dL | 0.00–1.60 mmol/L |
| NH ₃ | 0–809 µmol/L | 0–809 µmol/L |
| PHOS | 1.0–5.2 mg/dL | 0.32–1.68 mmol/L |
| TBIL | 0.0–26.8 mg/dL | 0–458 µmol/L |
| TP | 2.6–4.9 g/dL | 26–49 g/L |
| TRIG | 51–140 mg/dL | 0.58–1.58 mmol/L |
| URIC | 3.1–7.0 mg/dL | 184–417 mmol/L |
| Na ⁺ | 139–155 mmol/L | 139–155 mmol/L |
| K ⁺ | 1.7–4.2 mmol/L | 1.7–4.2 mmol/L |
| Cl ⁻ | 108–124 mmol/L | 108–124 mmol/L |

†Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Beef Cattle | |
|-----------------|-----------------|------------------|
| | U.S. Units | S.I. Units |
| ALB | 2.5–3.6 g/dL | 25–36 g/L |
| ALKP | 10–149 U/L | 10–149 U/L |
| AMYL | 0–28 U/L | 0–28 U/L |
| AST | 0–91 U/L | 0–91 U/L |
| BUN/UREA | 7–17 mg/dL | 2.5–6.1 mmol/L |
| Ca | 7.8–10.5 mg/dL | 1.95–2.62 mmol/L |
| CHOL | 76–227 mg/dL | 1.96–5.86 mmol/L |
| CK | 0–110 U/L | 0–110 U/L |
| CREA | 0.0–2.0 mg/dL | 0–172 µmol/L |
| GGT | 0–80 U/L | 0–80 U/L |
| GLOB | 2.7–3.8 g/dL | 27–38 g/L |
| GLU | 46–93 mg/dL | 2.56–5.18 mmol/L |
| LIPA | 30–400 U/L | 30–400 U/L |
| Mg | 1.26–2.40 mg/dL | 0.53–1.00 mmol/L |
| NH ₃ | 0–90 µmol/L | 0–90 µmol/L |
| PHOS | 4.3–7.9 mg/dL | 1.38–2.55 mmol/L |
| TBIL | 0.0–0.7 mg/dL | 0–12 µmol/L |
| TP | 5.8–8.0 g/dL | 58–80 g/L |
| TRIG | 0–8 mg/dL | 0.00–0.09 mmol/L |
| Na ⁺ | 132–152 mmol/L | 132–152 mmol/L |
| K ⁺ | 3.9–5.8 mmol/L | 3.9–5.8 mmol/L |
| Cl ⁻ | 97–111 mmol/L | 97–111 mmol/L |

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Dairy Cow | |
|-----------------|-----------------|------------------|
| | U.S. Units | S.I. Units |
| ALB | 2.5–3.5 g/dL | 25–35 g/L |
| ALKP | 28–233 U/L | 28–233 U/L |
| AMYL | 0–34 U/L | 0–34 U/L |
| AST | 50–150 U/L | 50–150 U/L |
| BUN/UREA | 10–25 mg/dL | 3.6–9.0 mmol/L |
| Ca | 8.0–12.0 mg/dL | 2.00–3.00 mmol/L |
| CHOL | 45–200 mg/dL | 1.16–5.17 mmol/L |
| CK | 50–350 U/L | 50–350 U/L |
| CREA | 0.5–1.6 mg/dL | 44–141 µmol/L |
| GGT | 0–87 U/L | 0–87 U/L |
| GLOB | 3.0–4.9 g/dL | 30–49 g/L |
| GLU | 56–88 mg/dL | 3.11–4.89 mmol/L |
| LIPA | 30–200 U/L | 30–200 U/L |
| Mg | 1.80–3.00 mg/dL | 0.75–1.25 mmol/L |
| NH ₃ | 0–90 µmol/L | 0–90 µmol/L |
| PHOS | 4.0–8.6 mg/dL | 1.29–2.77 mmol/L |
| TBIL | 0.0–0.7 mg/dL | 0–12 µmol/L |
| TP | 6.2–8.0 g/dL | 62–80 g/L |
| TRIG | 0–8 mg/dL | 0.00–0.10 mmol/L |
| Na ⁺ | 138–155 mmol/L | 138–155 mmol/L |
| K ⁺ | 3.9–6.4 mmol/L | 3.9–6.4 mmol/L |
| Cl ⁻ | 96–116 mmol/L | 96–116 mmol/L |

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Budgerigar† | |
|-------------|----------------|-------------------|
| | U.S. Units | S.I. Units |
| ALB | 0.6–2.6 g/dL | 6–26 g/L |
| ALKP | 10–300 U/L | 10–300 U/L |
| ALT | 4–98 U/L | 4–98 U/L |
| AMYL | 250–2000 U/L | 250–2000 U/L |
| AST | 30–400 U/L | 30–400 U/L |
| BUN/UREA | 0–12 mg/dL | 0.1–4.3 mmol/L |
| Ca | 4.5–12.5 mg/dL | 1.13–3.13 mmol/L |
| CHOL | 19–300 mg/dL | 0.49–7.75 mmol/L |
| CK | 50–2000 U/L | 50–2000 U/L |
| CREA | 0.1–0.7 mg/dL | 9–62 µmol/L |
| GLOB | 2.0–3.5 g/dL | 20–35 g/L |
| GLU | 100–400 mg/dL | 5.56–22.22 mmol/L |
| LDH | 80–900 U/L | 80–900 U/L |
| PHOS | 1.9–4.9 mg/dL | 0.61–1.58 mmol/L |
| TBIL | 0.0–0.7 mg/dL | 0–12 µmol/L |
| TP | 2.2–5.7 g/dL | 22–57 g/L |
| URIC | 2.0–11.2 mg/dL | 119–666 mmol/L |

†Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Canary† | |
|-----------------|-----------------|--------------------|
| | U.S. Units | S.I. Units |
| ALB | 0.8–4.9 g/dL | 8–49 g/L |
| ALKP | 0–3000 U/L | 0–3000 U/L |
| ALT | 0–668 U/L | 0–668 U/L |
| AMYL | 0–2500 U/L | 0–2500 U/L |
| AST | 150–350 U/L | 150–350 U/L |
| BUN/UREA | 1–124 mg/dL | 0.2–44.3 mmol/L |
| Ca | 2.9–15.1 mg/dL | 0.73–3.78 mmol/L |
| CHOL | 5–485 mg/dL | 0.13–12.53 mmol/L |
| CK | 0–2015 U/L | 0–2015 U/L |
| CREA | 0.1–0.4 mg/dL | 9–35 µmol/L |
| GGT | 0–900 U/L | 0–900 U/L |
| GLOB | 2.1–3.2 g/dL | 21–32 g/L |
| GLU | 200–450 mg/dL | 11.11–25.00 mmol/L |
| LDH | 0–686 U/L | 0–686 U/L |
| LIPA | 0–1250 U/L | 0–1250 U/L |
| Mg | 0.00–3.84 mg/dL | 0.00–1.60 mmol/L |
| NH ₃ | 0–809 µmol/L | 0–809 µmol/L |
| PHOS | 0.4–13.8 mg/dL | 0.13–4.45 mmol/L |
| TBIL | 0.0–26.8 mg/dL | 0–458 µmol/L |
| TP | 3.0–5.0 g/dL | 30–50 g/L |
| TRIG | 0–375 mg/dL | 0.00–4.23 mmol/L |
| URIC | 4.0–12.0 mg/dL | 238–714 mmol/L |

†Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Moluccan Cockatoo† | |
|-----------------|--------------------|--------------------|
| | U.S. Units | S.I. Units |
| ALB | 1.0–2.9 g/dL | 10–29 g/L |
| ALKP | 40–160 U/L | 40–160 U/L |
| ALT | 0–8 U/L | 0–8 U/L |
| AMYL | 414–972 U/L | 414–972 U/L |
| AST | 53–140 U/L | 53–140 U/L |
| BUN/UREA | 1–4 mg/dL | 0.2–1.4 mmol/L |
| Ca | 7.5–12.2 mg/dL | 1.87–3.04 mmol/L |
| CHOL | 131–338 mg/dL | 3.39–8.73 mmol/L |
| CK | 60–606 U/L | 60–606 U/L |
| CREA | 0.1–0.6 mg/dL | 9–50 µmol/L |
| GGT | 0–1 U/L | 0–1 U/L |
| GLU | 189–261 mg/dL | 10.48–14.52 mmol/L |
| LDH | 518–1785 U/L | 518–1785 U/L |
| LIPA | 60–147 U/L | 60–147 U/L |
| Mg | 1.70–3.46 mg/dL | 0.71–1.44 mmol/L |
| NH ₃ | 69–271 µmol/L | 69–271 µmol/L |
| PHOS | 1.7–5.0 mg/dL | 0.55–1.60 mmol/L |
| TBIL | 0.0–0.2 mg/dL | 0–4 µmol/L |
| TP | 3.6–5.5 g/dL | 36–55 g/L |
| TRIG | 105–294 mg/dL | 1.19–3.32 mmol/L |
| URIC | 2.6–12.8 mg/dL | 155–762 mmol/L |

†Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Cockatiel† | |
|-----------------|-----------------|--------------------|
| | U.S. Units | S.I. Units |
| ALB | 0.8–4.9 g/dL | 8–49 g/L |
| ALKP | 0–3000 U/L | 0–3000 U/L |
| ALT | 0–668 U/L | 0–668 U/L |
| AMYL | 0–2500 U/L | 0–2500 U/L |
| AST | 100–350 U/L | 100–350 U/L |
| BUN/UREA | 1–124 mg/dL | 0.2–44.3 mmol/L |
| Ca | 8.5–13.0 mg/dL | 2.13–3.25 mmol/L |
| CHOL | 5–485 mg/dL | 0.13–12.53 mmol/L |
| CK | 100–300 U/L | 100–300 U/L |
| CREA | 0.1–0.4 mg/dL | 9–35 µmol/L |
| GGT | 0–900 U/L | 0–900 U/L |
| GLOB | 2.1–3.2 g/dL | 21–32 g/L |
| GLU | 200–450 mg/dL | 11.11–25.00 mmol/L |
| LDH | 125–450 U/L | 125–450 U/L |
| LIPA | 0–1250 U/L | 0–1250 U/L |
| Mg | 0.00–3.84 mg/dL | 0.00–1.60 mmol/L |
| NH ₃ | 0–809 µmol/L | 0–809 µmol/L |
| PHOS | 0.4–13.8 mg/dL | 0.13–4.45 mmol/L |
| TBIL | 0.0–26.8 mg/dL | 0–458 µmol/L |
| TP | 2.2–5.0 g/dL | 22–50 g/L |
| TRIG | 0–375 mg/dL | 0.00–4.23 mmol/L |
| URIC | 3.5–11.0 mg/dL | 208–655 mmol/L |

†Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Conure† | |
|-----------------|-----------------|--------------------|
| | U.S. Units | S.I. Units |
| ALB | 0.8–4.9 g/dL | 8–49 g/L |
| ALKP | 0–3000 U/L | 0–3000 U/L |
| ALT | 0–668 U/L | 0–668 U/L |
| AMYL | 0–2500 U/L | 0–2500 U/L |
| AST | 125–350 U/L | 125–350 U/L |
| BUN/UREA | 1–124 mg/dL | 0.2–44.3 mmol/L |
| Ca | 8.0–15.0 mg/dL | 2.00–3.75 mmol/L |
| CHOL | 5–485 mg/dL | 0.13–12.53 mmol/L |
| CK | 100–300 U/L | 100–300 U/L |
| CREA | 0.1–0.5 mg/dL | 9–44 µmol/L |
| GGT | 0–900 U/L | 0–900 U/L |
| GLOB | 2.1–3.2 g/dL | 21–32 g/L |
| GLU | 200–350 mg/dL | 11.11–19.45 mmol/L |
| LDH | 125–420 U/L | 125–420 U/L |
| LIPA | 0–1250 U/L | 0–1250 U/L |
| Mg | 0.00–3.84 mg/dL | 0.00–1.60 mmol/L |
| NH ₃ | 0–809 µmol/L | 0–809 µmol/L |
| PHOS | 0.4–13.8 mg/dL | 0.13–4.45 mmol/L |
| TBIL | 0.0–26.8 mg/dL | 0–458 µmol/L |
| TP | 2.5–4.5 g/dL | 25–45 g/L |
| TRIG | 0–375 mg/dL | 0.00–4.23 mmol/L |
| URIC | 2.5–10.5 mg/dL | 149–625 mmol/L |

†Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Umbrella Cockatoo† | |
|-----------------|--------------------|--------------------|
| | U.S. Units | S.I. Units |
| ALB | 0.9–2.7 g/dL | 9–27 g/L |
| ALKP | 30–204 U/L | 30–204 U/L |
| ALT | 2–14 U/L | 2–14 U/L |
| AMYL | 424–759 U/L | 424–759 U/L |
| AST | 84–143 U/L | 84–143 U/L |
| BUN/UREA | 1–4 mg/dL | 0.2–1.4 mmol/L |
| Ca | 8.3–11.1 mg/dL | 2.08–2.78 mmol/L |
| CHOL | 112–370 mg/dL | 2.90–9.57 mmol/L |
| CK | 112–559 U/L | 112–559 U/L |
| CREA | 0.1–0.2 mg/dL | 9–21 µmol/L |
| GGT | 0–3 U/L | 0–3 U/L |
| GLU | 193–277 mg/dL | 10.70–15.39 mmol/L |
| LDH | 445–1143 U/L | 445–1143 U/L |
| LIPA | 75–192 U/L | 75–192 U/L |
| Mg | 1.77–3.10 mg/dL | 0.74–1.29 mmol/L |
| NH ₃ | 103–318 µmol/L | 103–318 µmol/L |
| PHOS | 2.6–5.3 mg/dL | 0.83–1.70 mmol/L |
| TBIL | 0.0–0.3 mg/dL | 0–5 µmol/L |
| TP | 3.8–5.5 g/dL | 38–55 g/L |
| TRIG | 191–375 mg/dL | 2.169–4.23 mmol/L |
| URIC | 3.4–11.7 mg/dL | 202–696 mmol/L |

†Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Ferret† | |
|-----------------|----------------|-------------------|
| | U.S. Units | S.I. Units |
| ALB | 2.6–3.8 g/dL | 26–38 g/L |
| ALKP | 9–84 U/L | 9–84 U/L |
| ALT | 82–289 U/L | 82–289 U/L |
| AST | 28–120 U/L | 28–120 U/L |
| BUN/UREA | 10–45 mg/dL | 3.6–16.1 mmol/L |
| Ca | 8.0–11.8 mg/dL | 2.00–2.95 mmol/L |
| CHOL | 64–296 mg/dL | 1.65–7.65 mmol/L |
| CREA | 0.4–0.9 mg/dL | 35–80 µmol/L |
| GLOB | 1.8–3.1 g/dL | 18–31 g/L |
| GLU | 94–207 mg/dL | 5.22–11.50 mmol/L |
| LDH | 221–618 U/L | 221–618 U/L |
| PHOS | 4.8–8.9 mg/dL | 1.55–2.87 mmol/L |
| TBIL | 0.1–1.0 mg/dL | 2–17 µmol/L |
| TP | 5.2–7.3 g/dL | 52–73 g/L |
| Na ⁺ | 139–169 mmol/L | 139–169 mmol/L |
| K ⁺ | 4.6–7.6 mmol/L | 4.6–7.6 mmol/L |
| Cl ⁻ | 106–125 mmol/L | 106–125 mmol/L |

†Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Goat† | |
|-----------------|----------------|------------------|
| | U.S. Units | S.I. Units |
| ALB | 2.8–3.8 g/dL | 28–38 g/L |
| ALKP | 75–228 U/L | 75–228 U/L |
| ALT | 23–44 U/L | 23–44 U/L |
| AMYL | 1–30 U/L | 1–30 U/L |
| AST | 122–321 U/L | 122–321 U/L |
| BUN/UREA | 10–21 mg/dL | 3.6–7.5 mmol/L |
| Ca | 8.2–9.8 mg/dL | 2.05–2.45 mmol/L |
| CHOL | 63–108 mg/dL | 1.63–2.79 mmol/L |
| CK | 28–130 U/L | 28–130 U/L |
| CREA | 0.6–1.4 mg/dL | 53–124 µmol/L |
| GGT | 60–101 U/L | 60–101 U/L |
| GLU | 54–93 mg/dL | 3.00–5.17 mmol/L |
| LDH | 811–1250 U/L | 811–1250 U/L |
| PHOS | 4.2–7.6 mg/dL | 1.35–2.45 mmol/L |
| TBIL | 0.1–0.4 mg/dL | 1–6 µmol/L |
| TP | 6.4–7.8 g/dL | 64–78 g/L |
| TRIG | 10–29 mg/dL | 0.11–0.33 mmol/L |
| Na ⁺ | 145–157 mmol/L | 145–157 mmol/L |
| K ⁺ | 3.7–5.4 mmol/L | 3.7–5.4 mmol/L |
| Cl ⁻ | 104–110 mmol/L | 104–110 mmol/L |

†Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Grey-cheeked Parakeet† | |
|-----------------|------------------------|--------------------|
| | U.S. Units | S.I. Units |
| ALB | 0.8–4.9 g/dL | 8–49 g/L |
| ALKP | 0–3000 U/L | 0–3000 U/L |
| ALT | 0–668 U/L | 0–668 U/L |
| AMYL | 0–2500 U/L | 0–2500 U/L |
| AST | 150–400 U/L | 150–400 U/L |
| BUN/UREA | 1–124 mg/dL | 0.2–44.3 mmol/L |
| Ca | 2.9–15.1 mg/dL | 0.73–3.78 mmol/L |
| CHOL | 5–485 mg/dL | 0.13–12.53 mmol/L |
| CK | 100–300 U/L | 100–300 U/L |
| CREA | 0.1–0.4 mg/dL | 9–35 µmol/L |
| GGT | 0–900 U/L | 0–900 U/L |
| GLOB | 2.1–3.2 g/dL | 21–32 g/L |
| GLU | 200–350 mg/dL | 11.11–19.45 mmol/L |
| LDH | 150–450 U/L | 150–450 U/L |
| LIPA | 0–1250 U/L | 0–1250 U/L |
| Mg | 0.00–3.84 mg/dL | 0.0–1.6 mmol/L |
| NH ₃ | 0–809 µmol/L | 0–809 µmol/L |
| PHOS | 0.4–13.8 mg/dL | 0.13–4.45 mmol/L |
| TBIL | 0.0–26.8 mg/dL | 0–458 µmol/L |
| TP | 2.5–4.5 g/dL | 25–45 g/L |
| TRIG | 0–375 mg/dL | 0.00–4.23 mmol/L |
| URIC | 4.0–12.0 mg/dL | 238–714 mmol/L |

†Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Lizard† | |
|-------------|----------------|-------------------|
| | U.S. Units | S.I. Units |
| ALKP | 60–99 U/L | 60–99 U/L |
| AST | 5–105 U/L | 5–105 U/L |
| BUN/UREA | 1–12 mg/dL | 0.4–4.3 mmol/L |
| Ca | 7.6–10.0 mg/dL | 1.90–2.50 mmol/L |
| CHOL | 46–140 mg/dL | 1.19–3.62 mmol/L |
| CREA | 0.1–0.2 mg/dL | 5–13 µmol/L |
| GGT | 1–10 U/L | 1–10 U/L |
| GLU | 54–198 mg/dL | 3.00–11.00 mmol/L |
| LDH | 250–1000 U/L | 250–1000 U/L |
| PHOS | 1.9–5.1 mg/dL | 0.61–1.65 mmol/L |
| TP | 3.0–8.1 g/dL | 30–81 g/L |
| TRIG | 53–106 mg/dL | 0.60–1.20 mmol/L |
| URIC | 2.7–8.0 mg/dL | 161–476 mmol/L |

†Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| | Llama | |
|-----------------|-----------------|-------------------|
| Chemistries | U.S. Units | S.I. Units |
| ALB | 1.7–3.7 g/dL | 17–37 g/L |
| ALKP | 30–95 U/L | 30–95 U/L |
| ALT | 10–29 U/L | 10–29 U/L |
| AMYL | 175–1242 U/L | 175–1242 U/L |
| AST | 81–559 U/L | 81–559 U/L |
| BUN/UREA | 3–36 mg/dL | 1.0–12.7 mmol/L |
| Ca | 7.0–11.0 mg/dL | 1.75–2.75 mmol/L |
| CHOL | 7–88 mg/dL | 0.18–2.27 mmol/L |
| CK | 11–153 U/L | 11–153 U/L |
| CREA | 0.8–1.9 mg/dL | 71–168 µmol/L |
| GGT | 9–70 U/L | 9–70 U/L |
| GLOB | 2.2–4.5 g/dL | 22–45 g/L |
| GLU | 85–236 mg/dL | 4.72–13.11 mmol/L |
| LDH | 343–1348 U/L | 343–1348 U/L |
| Mg | 1.40–2.90 mg/dL | 0.58–1.21 mmol/L |
| PHOS | 1.0–11.0 mg/dL | 0.32–3.55 mmol/L |
| TBIL | 0.1–0.2 mg/dL | 2–3 µmol/L |
| TP | 3.9–7.5 g/dL | 39–75 g/L |
| Na ⁺ | 147–159 mmol/L | 147–159 mmol/L |
| K ⁺ | 4.3–5.3 mmol/L | 4.3–5.3 mmol/L |
| Cl ⁻ | 112–119 mmol/L | 112–119 mmol/L |

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Blue and Gold Macaw† | |
|-----------------|----------------------|--------------------|
| | U.S. Units | S.I. Units |
| ALB | 0.4–1.9 g/dL | 4–19 g/L |
| ALKP | 27–205 U/L | 27–205 U/L |
| ALT | 0–11 U/L | 0–11 U/L |
| AMYL | 295–506 U/L | 295–506 U/L |
| AST | 17–126 U/L | 17–126 U/L |
| BUN/UREA | 1–6 mg/dL | 0.2–2.2 mmol/L |
| Ca | 7.2–12.6 mg/dL | 1.81–3.16 mmol/L |
| CHOL | 83–193 mg/dL | 2.13–4.99 mmol/L |
| CK | 62–393 U/L | 62–393 U/L |
| CREA | 0.1–0.2 mg/dL | 9–15 µmol/L |
| GGT | 0–1 U/L | 0–1 U/L |
| GLU | 227–310 mg/dL | 12.63–17.22 mmol/L |
| LDH | 174–649 U/L | 174–649 U/L |
| LIPA | 142–657 U/L | 142–657 U/L |
| Mg | 2.04–3.84 mg/dL | 0.85–1.60 mmol/L |
| NH ₃ | 93–452 µmol/L | 93–452 µmol/L |
| PHOS | 1.6–6.8 mg/dL | 0.50–2.20 mmol/L |
| TBIL | 0.0–1.0 mg/dL | 0–17 µmol/L |
| TP | 3.7–5.2 g/dL | 37–52 g/L |
| TRIG | 86–288 mg/dL | 0.97–3.25 mmol/L |
| URIC | 0.7–13.8 mg/dL | 42–821 mmol/L |

†Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Blue Hyacinth Macaw† | | |
|----------------------|-----------------|--------------------|
| Chemistries | U.S. Units | S.I. Units |
| ALB | 1.4–2.0 g/dL | 14–20 g/L |
| ALKP | 3–84 U/L | 3–84 U/L |
| ALT | 3–8 U/L | 3–8 U/L |
| AMYL | 283–595 U/L | 283–595 U/L |
| AST | 68–122 U/L | 68–122 U/L |
| BUN/UREA | 2–7 mg/dL | 0.8–2.6 mmol/L |
| Ca | 7.5–10.1 mg/dL | 1.88–2.54 mmol/L |
| CHOL | 70–158 mg/dL | 1.80–4.09 mmol/L |
| CK | 284–871 U/L | 284–871 U/L |
| CREA | 0.1–0.3 mg/dL | 9–26 µmol/L |
| GGT | 0–1 U/L | 0–1 U/L |
| GLU | 215–275 mg/dL | 11.96–15.28 mmol/L |
| LDH | 221–626 U/L | 221–626 U/L |
| LIPA | 272–833 U/L | 272–833 U/L |
| Mg | 1.33–2.80 mg/dL | 0.55–1.17 mmol/L |
| NH ₃ | 82–234 µmol/L | 82–234 µmol/L |
| PHOS | 1.6–4.9 mg/dL | 0.51–1.57 mmol/L |
| TBIL | 0.0–0.2 mg/dL | 0–4 µmol/L |
| TP | 3.9–4.6 g/dL | 39–46 g/L |
| TRIG | 84–201 mg/dL | 0.95–2.27 mmol/L |
| URIC | 3.5–19.9 mg/dL | 208–1184 mmol/L |

†Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Monkey† | |
|-----------------|----------------|------------------|
| | U.S. Units | S.I. Units |
| ALB | 2.8–4.4 g/dL | 28–44 g/L |
| ALKP | 73–210 U/L | 73–210 U/L |
| ALT | 20–120 U/L | 20–120 U/L |
| AMYL | 149–500 U/L | 149–500 U/L |
| AST | 23–94 U/L | 23–94 U/L |
| BUN/UREA | 7–25 mg/dL | 2.5–8.9 mmol/L |
| Ca | 8.3–10.1 mg/dL | 2.08–2.53 mmol/L |
| CHOL | 73–179 mg/dL | 1.89–4.63 mmol/L |
| CK | 63–460 U/L | 63–460 U/L |
| CREA | 0.4–1.2 mg/dL | 35–106 µmol/L |
| GGT | 40–78 U/L | 40–78 U/L |
| GLU | 50–100 mg/dL | 2.78–5.56 mmol/L |
| LDH | 578–1800 U/L | 578–1800 U/L |
| PHOS | 2.4–6.5 mg/dL | 0.77–2.10 mmol/L |
| TBIL | 0.1–0.6 mg/dL | 2–10 µmol/L |
| TP | 5.9–7.6 g/dL | 59–76 g/L |
| TRIG | 31–153 mg/dL | 0.35–1.73 mmol/L |
| Na ⁺ | 139–158 mmol/L | 139–158 mmol/L |
| K ⁺ | 2.7–4.6 mmol/L | 2.7–4.6 mmol/L |
| Cl ⁻ | 98–111 mmol/L | 98–111 mmol/L |

†Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Mouse† | |
|-----------------|----------------|-------------------|
| | U.S. Units | S.I. Units |
| ALB | 2.5–4.8 g/dL | 25–48 g/L |
| ALKP | 62–209 U/L | 62–209 U/L |
| ALT | 28–132 U/L | 28–132 U/L |
| AMYL | 1691–3615 U/L | 1691–3615 U/L |
| AST | 59–247 U/L | 59–247 U/L |
| BUN/UREA | 18–29 mg/dL | 6.4–10.4 mmol/L |
| Ca | 5.9–9.4 mg/dL | 1.48–2.35 mmol/L |
| CHOL | 36–96 mg/dL | 0.93–2.48 mmol/L |
| CK | 68–1070 U/L | 68–1070 U/L |
| CREA | 0.2–0.8 mg/dL | 18–71 µmol/L |
| GLU | 90–192 mg/dL | 5.00–10.67 mmol/L |
| LDH | 1105–3993 U/L | 1105–3993 U/L |
| PHOS | 6.1–10.1 mg/dL | 1.97–3.26 mmol/L |
| TBIL | 0.1–0.9 mg/dL | 2–15 µmol/L |
| TP | 3.6–6.6 g/dL | 36–66 g/L |
| TRIG | 55–144 mg/dL | 0.62–1.63 mmol/L |
| URIC | 1.7–5.4 mg/dL | 101–321 mmol/L |
| Na ⁺ | 126–182 mmol/L | 126–182 mmol/L |
| K ⁺ | 4.7–6.4 mmol/L | 4.7–6.4 mmol/L |
| Cl ⁻ | 92–120 mmol/L | 92–120 mmol/L |

†Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Scarlet Macaw† | |
|-----------------|-----------------|--------------------|
| | U.S. Units | S.I. Units |
| ALB | 0.6–2.1 g/dL | 6–21 g/L |
| ALKP | 9–74 U/L | 9–74 U/L |
| ALT | 0–7 U/L | 0–7 U/L |
| AMYL | 217–710 U/L | 217–710 U/L |
| AST | 32–95 U/L | 32–95 U/L |
| BUN/UREA | 2–10 mg/dL | 0.6–3.4 mmol/L |
| Ca | 8.1–10.7 mg/dL | 2.01–2.68 mmol/L |
| CHOL | 108–319 mg/dL | 2.78–8.25 mmol/L |
| CK | 76–406 U/L | 76–406 U/L |
| CREA | 0.10–0.13 mg/dL | 9–11 µmol/L |
| GGT | 0–1 U/L | 0–1 U/L |
| GLU | 206–292 mg/dL | 11.42–16.25 mmol/L |
| LDH | 157–684 U/L | 157–684 U/L |
| LIPA | 176–483 U/L | 176–483 U/L |
| Mg | 1.48–3.22 mg/dL | 0.62–1.34 mmol/L |
| NH ₃ | 66–349 µmol/L | 66–349 µmol/L |
| PHOS | 1.5–5.2 mg/dL | 0.49–1.68 mmol/L |
| TBIL | 0.0–0.3 mg/dL | 0–5 µmol/L |
| TP | 3.8–5.1 g/dL | 38–51 g/L |
| TRIG | 83–266 mg/dL | 0.94–3.01 mmol/L |
| URIC | 1.7–8.0 mg/dL | 101–476 mmol/L |

†Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Eclectus Parrot† | |
|-----------------|------------------|--------------------|
| | U.S. Units | S.I. Units |
| ALB | 0.6–1.7 g/dL | 6–17 g/L |
| ALKP | 97–668 U/L | 97–668 U/L |
| ALT | 0–17 U/L | 0–17 U/L |
| AMYL | 425–981 U/L | 425–981 U/L |
| AST | 19–159 U/L | 19–159 U/L |
| BUN/UREA | 1–3 mg/dL | 0.2–0.9 mmol/L |
| Ca | 8.0–11.9 mg/dL | 2.00–2.97 mmol/L |
| CHOL | 183–339 mg/dL | 4.73–8.76 mmol/L |
| CK | 144–418 U/L | 144–418 U/L |
| CREA | 0.1–0.2 mg/dL | 9–14 µmol/L |
| GGT | 0–1 U/L | 0–1 U/L |
| GLU | 233–392 mg/dL | 12.95–21.79 mmol/L |
| LDH | 277–957 U/L | 277–957 U/L |
| LIPA | 28–52 U/L | 28–52 U/L |
| Mg | 1.81–3.08 mg/dL | 0.75–1.28 mmol/L |
| NH ₃ | 89–262 µmol/L | 89–262 µmol/L |
| PHOS | 2.3–5.2 mg/dL | 0.75–1.69 mmol/L |
| TBIL | 0.0–0.1 mg/dL | 0–2 µmol/L |
| TP | 3.5–5.0 g/dL | 35–50 g/L |
| TRIG | 70–304 mg/dL | 0.78–3.43 mmol/L |
| URIC | 2.4–8.8 mg/dL | 143–524 mmol/L |

†Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Pig† | |
|-----------------|----------------|------------------|
| | U.S. Units | S.I. Units |
| ALB | 1.8–3.3 g/dL | 18–33 g/L |
| ALKP | 92–294 U/L | 92–294 U/L |
| ALT | 9–43 U/L | 9–43 U/L |
| AMYL | 271–1198 U/L | 271–1198 U/L |
| AST | 16–65 U/L | 16–65 U/L |
| BUN/UREA | 6–30 mg/dL | 2.1–10.7 mmol/L |
| Ca | 6.5–11.4 mg/dL | 1.63–2.85 mmol/L |
| CHOL | 18–79 mg/dL | 0.47–2.04 mmol/L |
| CK | 50–3531 U/L | 50–3531 U/L |
| CREA | 0.5–2.1 mg/dL | 44–186 µmol/L |
| GGT | 16–30 U/L | 16–30 U/L |
| GLU | 85–160 mg/dL | 4.72–8.89 mmol/L |
| LDH | 575–3294 U/L | 575–3294 U/L |
| LIPA | 10–44 U/L | 10–44 U/L |
| PHOS | 3.6–9.2 mg/dL | 1.16–2.97 mmol/L |
| TBIL | 0.1–0.3 mg/dL | 2–5 µmol/L |
| TP | 6.0–8.0 g/dL | 60–80 g/L |
| TRIG | 41–83 mg/dL | 0.46–0.94 mmol/L |
| Na ⁺ | 143–157 mmol/L | 143–157 mmol/L |
| K ⁺ | 2.2–7.7 mmol/L | 2.2–7.7 mmol/L |
| Cl ⁻ | 100–109 mmol/L | 100–109 mmol/L |

†Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Rabbit [†] | |
|-----------------|---------------------|------------------|
| | U.S. Units | S.I. Units |
| ALB | 2.7–4.6 g/dL | 27–46 g/L |
| ALKP | 70–145 U/L | 70–145 U/L |
| ALT | 31–53 U/L | 31–53 U/L |
| AST | 42–98 U/L | 42–98 U/L |
| BUN/UREA | 10–24 mg/dL | 3.6–8.6 mmol/L |
| Ca | 5.6–12.0 mg/dL | 1.40–3.00 mmol/L |
| CHOL | 35–53 mg/dL | 0.90–1.37 mmol/L |
| CREA | 0.8–1.8 mg/dL | 71–159 μmol/L |
| GLOB | 1.5–2.8 g/dL | 15–28 g/L |
| GLU | 75–145 mg/dL | 4.17–8.06 mmol/L |
| PHOS | 1.2–4.9 mg/dL | 0.39–1.58 mmol/L |
| TBIL | 0.3–0.8 mg/dL | 5–14 μmol/L |
| TP | 5.5–7.2 g/dL | 55–72 g/L |
| TRIG | 124–156 mg/dL | 1.40–1.76 mmol/L |
| Na ⁺ | 140–156 mmol/L | 140–156 mmol/L |
| K ⁺ | 3.4–7.5 mmol/L | 3.4–7.5 mmol/L |
| Cl ⁻ | 92–112 mmol/L | 92–112 mmol/L |

[†]Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Rat† | |
|-----------------|----------------|------------------|
| | U.S. Units | S.I. Units |
| ALB | 3.8–4.8 g/dL | 38–48 g/L |
| ALKP | 16–302 U/L | 16–302 U/L |
| ALT | 20–61 U/L | 20–61 U/L |
| AMYL | 326–2246 U/L | 326–2246 U/L |
| AST | 39–111 U/L | 39–111 U/L |
| BUN/UREA | 9–21 mg/dL | 3.2–7.5 mmol/L |
| Ca | 5.3–11.6 mg/dL | 1.33–2.90 mmol/L |
| CHOL | 20–92 mg/dL | 0.52–2.38 mmol/L |
| CK | 48–340 U/L | 48–340 U/L |
| CREA | 0.1–0.7 mg/dL | 4–57 µmol/L |
| GGT | 1–6 U/L | 1–6 U/L |
| GLOB | 1.5–2.8 g/dL | 15–28 g/L |
| GLU | 50–135 mg/dL | 2.78–7.50 mmol/L |
| LDH | 167–1428 U/L | 167–1428 U/L |
| LIPA | 10–150 U/L | 10–150 U/L |
| PHOS | 5.8–11.2 mg/dL | 1.87–3.61 mmol/L |
| TBIL | 0.1–0.7 mg/dL | 2–12 µmol/L |
| TP | 5.3–6.9 g/dL | 53–69 g/L |
| TRIG | 26–108 mg/dL | 0.29–1.22 mmol/L |
| URIC | 0.8–4.4 mg/dL | 48–262 mmol/L |
| Na ⁺ | 137–154 mmol/L | 137–154 mmol/L |
| K ⁺ | 4.1–6.5 mmol/L | 4.1–6.5 mmol/L |
| Cl ⁻ | 96–107 mmol/L | 96–107 mmol/L |

†Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| | Sea Turtle | |
|-------------|-----------------|-------------------|
| Chemistries | U.S. Units | S.I. Units |
| ALB | 1.0–2.5 g/dL | 10–25 g/L |
| ALKP | 24–48 U/L | 24–48 U/L |
| AST | 66–315 U/L | 66–315 U/L |
| BUN/UREA | 35–110 mg/dL | 12.5–39.3 mmol/L |
| Ca | 5.0–14.0 mg/dL | 1.25–3.50 mmol/L |
| CHOL | 150–445 mg/dL | 3.88–11.50 mmol/L |
| CREA | 0.1–0.3 mg/dL | 9–25 µmol/L |
| GLOB | 2.6–4.5 g/dL | 26–45 g/L |
| GLU | 72–125 mg/dL | 4.00–6.95 mmol/L |
| LDH | 100–800 U/L | 100–800 U/L |
| Mg | 6.70–9.40 mg/dL | 2.79–3.92 mmol/L |
| PHOS | 5.5–9.5 mg/dL | 1.77–3.06 mmol/L |
| TP | 3.6–6.8 g/dL | 36–68 g/L |
| TRIG | 15–260 mg/dL | 0.17–2.94 mmol/L |
| URIC | 0.3–1.8 mg/dL | 15–107 mmol/L |

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Sheep† | |
|-----------------|-----------------|------------------|
| | U.S. Units | S.I. Units |
| ALB | 2.4–3.7 g/dL | 24–37 g/L |
| ALKP | 50–228 U/L | 50–228 U/L |
| ALT | 5–17 U/L | 5–17 U/L |
| AMYL | 1–30 U/L | 1–30 U/L |
| AST | 40–96 U/L | 40–96 U/L |
| BUN/UREA | 5–20 mg/dL | 1.8–7.1 mmol/L |
| Ca | 9.1–10.8 mg/dL | 2.28–2.70 mmol/L |
| CHOL | 44–82 mg/dL | 1.14–2.12 mmol/L |
| CK | 8–100 U/L | 8–100 U/L |
| CREA | 0.6–1.5 mg/dL | 53–133 µmol/L |
| GGT | 33–55 U/L | 33–55 U/L |
| GLOB | 3.2–4.1 g/dL | 32–41 g/L |
| GLU | 50–80 mg/dL | 2.78–4.44 mmol/L |
| LDH | 504–1049 U/L | 504–1049 U/L |
| LIPA | 1–71 U/L | 1–71 U/L |
| Mg | 2.30–3.00 mg/dL | 0.96–1.25 mmol/L |
| PHOS | 4.0–8.9 mg/dL | 1.29–2.87 mmol/L |
| TBIL | 0.1–0.4 mg/dL | 2–7 µmol/L |
| TP | 5.6–7.8 g/dL | 56–78 g/L |
| TRIG | 9–30 mg/dL | 0.10–0.34 mmol/L |
| Na ⁺ | 143–159 mmol/L | 143–159 mmol/L |
| K ⁺ | 4.2–6.4 mmol/L | 4.2–6.4 mmol/L |
| Cl ⁻ | 100–113 mmol/L | 100–113 mmol/L |

†Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Snake† | |
|-------------|-----------------|------------------|
| | U.S. Units | S.I. Units |
| ALKP | 80–145 U/L | 80–145 U/L |
| ALT | 10–260 U/L | 10–260 U/L |
| AST | 5–35 U/L | 5–35 U/L |
| BUN/UREA | 1–11 mg/dL | 0.4–3.9 mmol/L |
| Ca | 10.0–22.0 mg/dL | 2.50–5.50 mmol/L |
| CHOL | 50–139 mg/dL | 1.29–3.59 mmol/L |
| CREA | 0.1–0.5 mg/dL | 9–44 µmol/L |
| GGT | 1–15 U/L | 1–15 U/L |
| GLU | 10–108 mg/dL | 0.56–6.00 mmol/L |
| LDH | 30–600 U/L | 30–600 U/L |
| PHOS | 2.8–5.7 mg/dL | 0.90–1.84 mmol/L |
| TP | 2.9–8.0 g/dL | 29–80 g/L |
| TRIG | 53–177 mg/dL | 0.60–2.00 mmol/L |
| URIC | 1.0–10.0 mg/dL | 60–595 mmol/L |

†Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- + The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- + Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

| Chemistries | Tortoise† | |
|-----------------|-----------------|------------------|
| | U.S. Units | S.I. Units |
| ALB | 1.3–3.0 g/dL | 13–30 g/L |
| ALKP | 36–156 U/L | 36–156 U/L |
| AST | 14–18 U/L | 14–18 U/L |
| BUN/UREA | 19–33 mg/dL | 6.8–11.8 mmol/L |
| Ca | 10.0–14.5 mg/dL | 2.50–3.63 mmol/L |
| CREA | 0.1–0.4 mg/dL | 9–35 µmol/L |
| GLOB | 1.6–4.0 g/dL | 16–40 g/L |
| PHOS | 2.3–11.5 mg/dL | 0.74–3.71 mmol/L |
| TBIL | 0.1–0.6 mg/dL | 2–10 µmol/L |
| TP | 3.0–7.0 g/dL | 30–70 g/L |
| URIC | 1.2–2.8 mg/dL | 71–167 mmol/L |
| Na ⁺ | 126–142 mmol/L | 126–142 mmol/L |
| K ⁺ | 3.7–5.2 mmol/L | 3.7–5.2 mmol/L |
| Cl ⁻ | 83–102 mmol/L | 83–102 mmol/L |

†Reference ranges are provisional.