

| Analyte | Unit | Dog | Cat | Horse | Eq. Foal | Cow | Sheep | Pig | Goat | Donkey | Alpaca | Llama | Rhesus |
|----------------------------|-----------------|------------|-----------|-----------|-----------|----------------|----------|----------|----------|----------|-----------|----------|------------|
| ACTH(endogenous) | pmol/L | 6.70-25.00 | | 1.90-9.00 | | | | | | | | | |
| Alkaline Phosphatase | U/L | 21-170 | 14-71 | 86-285 | 1494-3049 | 24-74 | 50-300 | 49-289 | 27-210 | 132-414 | | 0-179 | 75-596 |
| ALT | U/L | 19-67 | 27-101 | 0-6 | | | 5-18 | | 6-19 | 0-39 | | 0-10 | 18-62 |
| Amikacin | ug/ml | 0-14 | | 0-14 | | | | | | | | | |
| Amikacin, Trough | ug/ml | 0.0-5.0 | | 0.0-5.0 | | | | | | | | | |
| Amikacin, Peak | ug/ml | 6.0-14.0 | | 10.0-41.0 | | | | | | | | | |
| Ammonia | ug/dl | 0-59 | 0-68 | 5-59 | | | | | | | | | |
| AST | U/L | 19-42 | 17-58 | 168-494 | 77-197 | 50-105 | 75-339 | | 58-196 | 255-634 | 107-199 | 143-436 | 36-76 |
| B-Hydroxybutyrate | mg/dl | | | | | 2.7-6.4 | | | | | | | |
| Bile Acids: Fasting | umol/L | 0-12 | 0-12 | 0-20 | 20-84 | 4-47 | | | | | | | 3-12 |
| Post Prandial | umol/L | 0-16 | 0-16 | | | | | | | | | | |
| Bilirubin: Total | mg/dl | 0.0-0.2 | 0.0-0.2 | 0.5-2.3 | 2.1-3.5 | 0.0-0.6 | 0.1-0.2 | 0.0-0.3 | 0.0-0.1 | 0.0-0.6 | 0.0-0.1 | 0.0-0.2 | 0.1-0.3 |
| Direct | mg/dl | 0.0-0.1 | 0.0-0.0 | 0.2-0.6 | 0.1-0.2 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | 0.0-0.1 |
| Indirect | mg/dl | | | | 1.9-3.3 | | | | | | | | |
| BUN | mg/dl | 5-21 | 18-33 | 12-27 | 13-23 | 7-18 | 19-37 | 7-14 | 19-31 | 7-27 | 7-22 | 9-34 | 17-33 |
| Calcium | mg/dl | 9.7-11.5 | 9.0-10.9 | 11.4-14.1 | 10.9-12.5 | 8.9-10.7 | 8.8-11.1 | 8.9-10.3 | 8.9-11.2 | 9.5-12.6 | 9.0-9.9 | 7.9-10.9 | 8.2-10.2 |
| Cholesterol | mg/dl | 135-361 | 89-258 | 51-129 | 91-211 | 89-267 | 37-65 | | 74-150 | 73-187 | | 22-176 | 67-179 |
| CK Total | U/L | 51-399 | 73-260 | 119-287 | 154-497 | 66-272 | 100-547 | 264-911 | 104-219 | 11-103 | 37-108 | 14-238 | 265-2119 |
| Cortisol, Pre (resting) | ug/dl | 0.0-6.0 | 0.0-6.0 | | | | | | | | | | |
| Cort./Creat. Ratio (Ur) | 10 ⁶ | 9.8-32.6 | | | | | | | | | | | |
| Creatinine | mg/dl | 0.3-1.2 | 1.1-2.2 | 0.9-2.0 | 1.2-2.3 | 0.6-1.3 | 0.8-1.3 | 1.2-2.3 | 0.7-1.0 | 0.6-1.5 | 1.1-1.9 | 1.1-3.2 | 0.5-0.9 |
| CRPhs | mg/L | | | | | | | | | | | | 0.0-0.5 |
| CSF Protein | mg/dl | 0-25 | 0-20 | 30-80 | | 0-40 | 0-40 | 0-40 | | | | | |
| Digoxin | ng/ml | 1.0-2.5 | 1.0-2.5 | | | | | | | | | | |
| Electrolytes: Sodium | mmol/L | 145-154 | 151-158 | 125-137 | 132-146 | 138-146 | 140-150 | 141-152 | 140-150 | 132-148 | 147-152 | 148-158 | 142-151 |
| Potassium | mmol/L | 3.6-5.3 | 3.6-4.9 | 3.0-5.6 | 3.2-4.9 | 3.8-5.0 | 4.5-6.0 | 4.4-6.7 | 3.4-5.7 | 2.2-5.3 | 4.4-5.3 | 3.7-6.2 | 3.2-5.3 |
| Chloride | mmol/L | 108-118 | 117-126 | 91-104 | 96-104 | 97-109 | 101-105 | 97-110 | 104-116 | 99-113 | 106-118 | 103-125 | 107-112 |
| CO2, Total | mmol/L | 16-26 | 15-21 | 23-32 | 28-37 | 23-32 | 20-26 | 23-34 | 22-28 | 22-32 | 22-32 | 14-34 | 19-43 |
| Anion Gap | mmol/L | 10-24 | 13-27 | 9-17 | 7-12 | 13-20 | 17-31 | 13-27 | 9-24 | | 11-19 | 13-27 | 0-23 |
| Ferritin | ng/ml | | | | | | | | | | | | 16.7-175.0 |
| Folate | ug/dl | 6.5-18.6 | 10.4-20.7 | | | | | | | | | | |
| Fructosamine | umol/L | 0-375 | 0-375 | | | | | | | | | | 171-273 |
| Gamma GT | U/L | 0-6 | 0-4 | 8-22 | 20-44 | 10-41 | 40-94 | 11-56 | 34-65 | 19-134 | 11-33 | 6-29 | 28-57 |
| Gentamicin | ug/ml | 0-12 | | 0-12 | | | | | | | | | |
| Gentamicin, Trough | ug/ml | 0.0-2.0 | | 0.0-2.0 | | | | | | | | | |
| Gentamicin, Peak | ug/ml | 6.0-12.0 | | 6.0-12.0 | | | | | | | | | |
| GLDH | U/L | 0-8 | 0-4 | | 4-15 | 3-31 | | | | | | | 6-27 |
| Glucose | mg/dl | 64-123 | 63-118 | 50-107 | 122-205 | 56-74 | 48-80 | 43-104 | 45-70 | 36-155 | 101-129 | 71-149 | 29-60 |
| Glucose (SI) | mmol/L | | | 4.8-6.6 | | | | | | | | | |
| Hemostasis: | | | | | | | | | | | | | |
| Antithrombin III (STA) | % | 80-120 | 80-120 | 80-120 | | | | | | | | | |
| Protime-PT (STA) | sec | 7.0-9.3 | 10.0-15.3 | 10.7-12.0 | | | | | | | | | |
| APTT (STA) | sec | 10.4-12.9 | 11.2-16.0 | 35.0-46.1 | | | | | | | | | |
| Fibrinogen (STA) | mg/dl | 109-311 | 73-356 | 127-224 | | 60-233 | | | 100-400 | | | | |
| d-dimer (STA) | ng/ml | 0-186 | | | | | | | | | | | |
| Plasma FDP | ug/ml | <5 | <5 | <5 | | | | | | | | | |
| PIVKA (STA) | sec | 13.9-20.8 | 20.0-24.0 | 20.0-25.0 | | 21.0-25.0 | | | | | | | |
| Insulin | pmol/L | | | 14-226 | | | | | | | | | |
| Insulin Glucose Ratio | | | | 2.8-43.8 | | | | | | | | | |
| Lipase | U/L | 0-500 | 0-200 | | | | | | | | | | |
| LDH | U/L | | | | | | | | | | | | 321-933 |
| Magnesium, Ionized | mmol/L | 0.40-0.52 | 0.44-0.60 | 0.47-0.70 | 0.42-0.69 | 0.42-0.59 | | | | | 0.48-0.66 | | |
| Magnesium Total | mg/dl | 1.5-2.6 | 1.5-2.5 | 1.9-3.0 | 2.1-2.9 | 2.2-3.1 | 2.6-3.1 | | 2.4-3.1 | 1.9-3.6 | 2.2-2.9 | | 1.7-2.3 |
| NEFA | meq/L | | | | | See Each Group | | | | | 0.03-0.09 | | |
| Phenobarbital | ug/ml | 15-40 | 15-40 | 15-40 | | | | | | | | | |
| Phosphorus | mg/dl | 3.0-6.2 | 3.2-6.3 | 2.1-4.7 | 4.2-6.2 | 4.2-7.4 | 3.8-8.7 | 7.1-10.2 | 4.2-9.1 | 2.4-7.0 | 4.3-8.3 | 2.6-10.7 | 1.8-4.5 |
| Proteins: Total Protein | g/dl | 5.4-7.6 | 6.6-8.4 | 5.8-7.7 | 4.5-7.5 | 7.0-8.7 | 6.6-8.6 | 5.7-7.6 | 6.8-8.3 | 5.6-8.5 | 5.4-6.9 | 4.7-7.3 | 6.6-8.5 |
| Albumin | g/dl | 3.0-4.4 | 2.2-4.6 | 2.7-4.2 | 2.6-3.3 | 3.1-4.3 | 3.2-4.4 | 2.2-4.2 | 3.8-4.5 | 3.1-4.8 | 3.6-4.2 | 3.6-6.1 | 2.8-4.6 |
| Globulin | g/dl | 1.8-3.9 | 2.8-5.4 | 1.6-5.0 | 1.7-4.3 | 2.9-5.1 | | | | | 1.7-3.0 | | 3.1-4.7 |
| SDH-37 | U/L | | | 0-8 | 3-11 | 4-24 | 18-77 | 1-13 | 2-57 | 1-13 | 2-5 | 1-62 | |
| Thyroid Tests: Total T4 | ug/dl | 1.0-3.2 | 1.1-3.3 | 0.5-3.0 | | | | | | | | | |
| TSH-K9 | ng/ml | 0.00-0.45 | 0.00-0.07 | | | | | | | | | | |
| Free T4 IMMULIT | ng/dl | 0.57-2.93 | 0.59-3.04 | | | | | | | | | | |
| TLIc (trypsin-like immuno) | ng/ml | 9.6-31.2 | | | | | | | | | | | |
| Troponin-I | ng/ml | | 0.00-0.09 | 0.01-0.07 | | | | | | | | | |
| Triglycerides | mg/dl | 19-133 | 8-80 | 2-41 | 24-71 | 12-31 | | | 4-23 | | 11-30 | | 31-109 |
| Vitamin B12 | ng/L | 271-875 | 279-1254 | | | | | | | | | | |

Compiled: 7/12/05, 4/05/06, 5/01/06,
 6/27/07, 1/08/09
 Rhesus CRP & Ferritin: 3/02/09

Chem. Panel Hitachi
 917:
 FT4 (2step) New: 7/31/06

Equine Foal: 9/25/06
 FT4 IMMULITE 11/30/10

Cow: 7/07/07
 Alpaca: 3/10/09

(STA)
 Coag: 3-01-10