Clinical Pathology Section: Submission Form

Animal Disease Research and Diagnostic Laboratory
Veterinary & Biomedical Sciences Department
1155 North Campus Drive
South Dakota State University
Brookings, SD 57007

Refer to User’s Guide for fees and submission guidelines Fees subject to change without notification

Veterinarian_________________________Owner_________________________
Clinic_____________________________Address_________________________
Address____________________________Species_________________________
Phone_____________________________Age_____________________________
Fax_______________________________Weight___________________________
# Samples__________________________

CLINICAL HISTORY / DESCRIPTION OF SAMPLE(S) / SPECIAL REQUESTS

HEMATOLOGY, CYTOLOGY, URINALYSIS, & OTHER TESTS

- Complete Blood Count (CBC; whole blood in EDTA)
- Avian CBC (birds or reptiles; whole blood in EDTA or heparin)
- Blood Count: WBC, RBC, HGB, HCT, and platelet count only
- Presurgical Evaluation: HCT, plasma protein, and fibrinogen only
- Cytology (submitted slides or aspirate; call lab for fees)
- Leukocyte Lineage Analysis (bone marrow or leukemic blood)

- Urinalysis: specific gravity, pH, urine chemistry, sediment exam
- Fluid Analysis: total protein, pH, cell morphology
- Transfusion Cross-Matching (horse, cattle, sheep, dog, cat)
- Blood Typing (dog, cat; whole blood in EDTA)
- Coombs’ assay (dog; whole blood in EDTA)
- Fecal occult blood (all species; fresh feces)

PARASITOLOGY & IMMUNOLOGY

- Fecal flotation (ova & cysts)
- Fecal cryptosporidium exam
- Strongyle egg count (eggs/gram feces)
- Lungworm larval sedimentation (feces)
- Fluke egg flotation (feces)

- Ectoparasite exam
- Parasite Identification
- Hemoparasite exam
- Heartworm ELISA (serum; dog, cat)
- Giardia ELISA (feces; dog, cat)

LARGE ANIMAL CHEMISTRY PROFILES

- Ruminant Diagnostic Profile GLU, BUN, CRE, TP, ALB, (GLOB), TBIL, (DBIL), CK, AST, GGT, CA, P, MG, NA, K, CL
- Porcine Diagnostic Profile GLU, BUN, CRE, TP, ALB, GLOB, FE, TBIL, (DBIL), LDH, AST, CA, P, MG, NA, K, CL
- Equine Diagnostic Profile GLU, BUN, CRE, TP, ALB, GLOB, TBIL, (DBIL), CK, AP, AST, GGT, CA, P, MG, NA, K, CL
- Dairy Management Profile TP, NEFA, BHA, CA, P, MG
- Large Animal Presurgical Profile BUN, TP, CK, GGT

SMALL ANIMAL & CUSTOM CHEMISTRY PROFILES

- Small Animal Diagnostic Profile GLU, BUN, CRE, TP, ALB, (GLOB), TBIL, (DBIL), LDH, AP, ALT, AMYL, (LIP), CA, P, NA, K, CL
- Small Animal Presurgical Profile GLU, BUN, CRE, TP, ALB, GLOB, FE, TBIL, (DBIL), LDH, AST, CA, P, MG, NA, K, CL
- Renal Profile BUN, CRE, P, K
- NSAIDs Profile BUN, CRE, TP, ALB
- Electrolyte Profile CARB, NA, K, CL, AG
- Avian Profile GLU, URI, TP, CHO, CA, P
- Custom Profile (Check off tests on single test menu below)

SINGLE SERUM CHEMISTRY TESTS

- Albumin (ALB)
- Bile acids (BA)
- Creatine Kinase (CK)
- Nonesterified fatty acids (NEFA)
- Alkaline phosphatase (AP)
- Bilirubin, Direct (DBIL)
- Creatinine (CRE)
- Phosphate (P)
- Alanine transaminase (ALT)
- Bilirubin, Total (TBIL)
- Gamma glutamyltransferase (GGT)
- Potassium (K)
- Amylase (AMY)
- C-reactive protein (CRP)
- Glucose (GLU)
- Protein, Total (TP)
- Anion Gap (AG)
- Calcium (CA)
- Iron, Total (FE)
- Sodium (NA)
- Aspartate transaminase (AST)
- Chloride (CL)
- Lactate dehydrogenase (LDH)
- Triglycerides (TRI)
- Beta hydroxybutyrate (BHA)
- Cholesterol (CHO)
- Lipase (LIP)
- Urea (BUN)
- Bicarbonate (CARB)
- Cortisol RIA (COR)
- Magnesium (MG)
- Uric acid (URI)

This is not an official Federal test form Effective 01/07/2016

Use Laboratory VS Forms for Brucellosis and EIA. The ADRDL is an accredited AVA VL laboratory and a member of the USDA National Animal Health Laboratory Network. Completing and submitting any submission form or any other means of requesting services creates a contractual agreement for services requested and the specimens submitted become the property of the ADRDL. In addition, at no additional expense to our clients, specimens submitted to the ADRDL may be subjected to additional testing upon the order of state or federal animal health officials, or whenever a Foreign Animal Disease is suspected, or in support of surveillance for other animal diseases.