**Hematology**

Complete blood count (CBC)

Blood parasite (BP)

Reticulocyte count

Cross matching

Packed cell volume (PCV)

Plasma protein (PP)

Platelet count

Blood morphology

Erythrocyte Sedimentation Rate (ESR)

Woo's technique

**Blood Chemistry**

Albumin/Globulin ratio (A/G ratio)

Albumin

Alkaline phosphatase (ALP)

Alanine aminotransferase (ALT)

Aspartate aminotransferase (AST)

Amylase

Bile acid

Bicarbonate

Bilirubin (Total And Direct)

Blood urea nitrogen (BUN)

Calcium (Ca)

Cholesterol

Creatine phosphokinase (CPK)

Creatinine (Crea)

Electrolyte (Na, K, Cl)

Fructosamine

Gamma glutamyl transferase (GGT)

Glucose

Globulin

Lactate dehydrogenase (LDH)

Lipase

Magnesium (Mg)

Phosphorus (P)

SDMA (free Creatinine + BUN)

Total protein (TP)

Triglyceride (TGL)

Uric acid

**Molecular Biology: Blood Parasite**

*Anaplasma platys*

*Babesia spp.*

*Filariae spp.*

*Ehrlichia canis*

*Hepatozoon canis*

*Mycoplasma haemofelis*

*Trypanosoma evansi*

*Encephalitozoon cuniculi*

*Leishmania spp.*

**Molecular Biology: Infectious Disease**

Canine Distemper Virus (CDV)

Canine Parvo Virus (CPV)

Canine Adenovirus type I (CAV-I)

Canine Adenovirus type II (CAV-II)

*Chlamydia spp.*

Feline Infectious Peritonitis (FIP)

Feline Leukemia Virus (FeLV)

Feline Immunodeficiency Virus (FIV)

Feline Panleukopenia Virus (FPV)

Feline Corona Virus (FCoV)

Feline Herpes Virus (FHV)

Feline Calici Virus (FCV)

Foot and Mouth disease Virus (FMD)

*Leptospira spp.*

Psittacine beak and feather disease virus (PBFDV)

PCR sexing (Avian)

Avian Borna virus (ABV)

Avian Polyoma virus (APV)

Mycobacterium MTB complex DNA (Non-identification)

*Mycobacterium spp.* And *Mycobacterium tuberculosis*

*Mycobacterium tuberculosis*

**Hormones and Immunology**

Aldosterone

T3

Free T3

T4

Free T4

Follicle stimulating hormone (FSH)

Luteinizing hormone (LH)

Estradiol

Progesterone

Testosterone

Cortisol

Thyroid stimulating hormone (TSH)

Parathyroid hormone (PTH)

Growth hormone (GH)

*Helicobacter Pylori* IgG

*Helicobacter Pylori* IgM

Adrenocorticotropic hormone (ACTH)

Equine infectiuos anemia (EIA)

Melioidosis Ab (total) titer

Erythropoietin (EPO) level

----------------------------

**Test Kit**

Brucella antibody (Bionote)

CDV Ab (Bionote) semi-quantitative

CDV Ag (Bionote)

CPV Ab (Bionote) semi-quantitative

CPV/ CCV Ag (Bionote)

cPL - quantitative (Bionote)

fPL - quantitative (Bionote)

C-Reactive Protein; CRP (Bionote)

Serum Amyloid A; SAA (Bionote)

Canine Cortisol (Bionote)

Canine Progesterone (Bionote)

T4 (Bionote)

Canine TSH (Bionote)

FIV Ab/ FeLV Ag (Witness).......................

Heartworm Ag (Witness)..........................

Relaxin hormone (Witness)....................

Snap 4DX

Snap cPL

Snap fPL

Snap feline ProBNP

FPV/ FCoV Ag (Median)

Coomb's test for Canine (Alvedia)

Blood grouping (Alvedia) test kit

Toxoplasma IgG (Megacor) test kit

Leptospira IgM (Megacor) test kit

**Drug Monitoring**

Digoxin

Phenobarbital

**Parasitology**

Fecal examination

Fecal examination

Skin scraping

Modified Knott's test

Parasite identification

**Coagulation Test**

Antithrombin III (AT lll)

Prothrombin time (PT)

Activated Partial Thromboplastin Time (APTT)

Thrombin time (TT)

Fibrinogen assay

D-dimer

**Microbiology**

Bacterial culture and sensitivity

* Aerobes
* Anaerobes
* MICs by VITEK2

Fungal culture and identification

Mycobacterium culture and sensitivity test

Fungassay (Dermatophyte test)

KOH preparation

Scoth tape test

Hemoculture and sensitivity

- Aerobes

- Anaerobes

- Fungi identification

- Mycobacterium

Total Coliforms in water

Total Coliforms and *E.coli* in water

**Pathology**

Biopsy

Cytology

Fluid analysis

Microscopic examination

Acid fast

Alcian blue

CD3

CD20

CD31

CD79a

CD117 (c-KIT)

CK (AE1/AE3)

Chromogranin

E-cadherin

Factor Vlll

GMS stain

HLA class ll

Inhibin-alpha

Ki67

Melan A

Osteocalcin

Osteonectin

PAS stain

S-100

Smooth m.actin

Toluidine blue

TTF-1

Vimentin

Warthin-Starry

Etc.

**Urine Examination**

Urinalysis

Urinalysis

Urine Creatinine

Urine electrolyte

Urine protein

Urine Cortisol

Urine microalbumin (quantitative)

Urine Cortisol/ urine Creatinine ratio (UCCR)

Urine protein/ urine Creatinine ratio (UPCR)

Urine Phosphorus

Urine Magnesium

**Special Test**

Allergy test (72 allergens)

Allergy test (44 allergens)

Food allergy (20 allergens)

Alpha-Fetoprotein (AFP)

Ammonia (Idexx)

Auto agglutination test

Buffy coat smear

- Leukemia

- Mastocytosis

Cobalamin (B12)

Folate (B9)

Cryptococcus Ag

Cryptococcus titer

Canine-TLI

Ferritin

Insulin level

Insulin-liked Growth factor l

Ionized Calcium

Ketone (Beta hydroxybutyrate; BHB)

Lactate

Leptospira IgG

Leptospira IgM

Protein electrophoresis

Selenium

Toxoplasma gondii Ab (total) titer

Toxoplasma IgG

Toxoplasma IgM

Troponin-I

Troponin-T

Transferrin

Warfarin

Occult blood for fecal blood

Sudan test for fecal fat

Iron (Fe)

Lead (Pb)

Zinc (Zn)

Urolith analysis

Rabies titer (Biobest - UK)

Rabies titer (QSMI - TH)

PCR for FIV (proviral stage)

PCR for FeLV (proviral stage)

FIP (Immunohistochemistry)