



ProtaTek Reference Laboratory

540 W. Iron Ave., Suite 106

Mesa, AZ 85210

Tel: 480.545.8499

Email: prl@pharmgate.com

COMPANION ANIMAL TESTING SERVICES (2007)

ProtaTek Reference Laboratory (PRL) provides high quality animal health diagnostic testing and services. PRL, a division of ProtaTek International, is considered a leading service provider for the detection of a variety of viral, protozoal, rickettsial, fungal, bacterial, and other animal health diseases.

PRL has been providing customized and exceptional services to veterinarians and researchers for over 15 years. A focus on quality service, rapid results, and in-house expertise distinguishes PRL from other reference laboratories.

PRL is highly experienced in technical and veterinary diagnostic services. Our company consists of veterinarians, research scientists, veterinary technicians, and other professionals dedicated to advancing the science of diagnostics.

The laboratory is operated by Dr. Cynthia Holland, Ph.D., an authority on tick borne infectious diseases. Dr. Holland has authored and co-authored over 75 papers in peer reviewed journals and scientific presentations. Dr. Holland was responsible for the original isolation and identification of *Ehrlichia (Neorickettsia) risticii*, the causative agent of Potomac Horse Fever.

CANINE

Viral

Canine parvovirus (IgM/IgG)
Canine corona viral enteritis
Canine distemper (IgM/IgG)
Canine distemper smears (DFA)
Canine herpesvirus infection

Fungal (Screen and Titer)

Aspergillosis
Blastomycosis
Cryptococcus
Coccidioidomycosis
Histoplasmosis

Bacterial

B. burgdorferi (Lyme)
Brucella canis

Protozoal

Canine babesiosis (Babesia canis)
Canine babesiosis (B. gibsoni)
Neospora caninum (IgM / IgG)
Toxoplasma gondii (IgM/IgG)

Rickettsial

Canine ehrlichiosis (Ehrlichia canis)
Rickettsia rickettsii (RMSF)
Ehrlichia (Neorickettsia) risticii
E. equi (Anaplasma phagocytophila)
Bartonella henselae
Sennetsu fever (Ehrlichia sennetsu)

Helminthic

Canine heartworm (D. immitis)

Microscopic Identification

Canine hemobartonellosis
Babesiosis (Babesia spp.)

Canine Fungal Panel

Cocci, blasto and histo

Canine Hemolytic Anemia Panel

Babesia canis, Coomb's Test

Canine Export Profile

B. gibsoni (IFA), Babesia spp.

Canine Tick-Borne Disease Panel

E. canis, B. canis, RMSF, Lyme

Canine Ehrlichia-Fungus Panel

Ehrlichia canis, coccidioidomycosis

Other Testing (canine)

Progesterone assay
Canine rheumatoid factor
Coomb's test (direct)
Antinuclear antibodies (ANA)
Leptospira (5 serovars)
Lyme western blot

ANTIFUNGAL DRUG TESTING (blood levels)

Fluconazole (GC)
Itraconazole (bioassay)
Ketoconazole (bioassay)

FELINE

Viral

Feline leukemia (IFA)
Feline leukemia (ELISA)
Feline infectious peritonitis
Feline immunodeficiency syndrome
Feline panleukopenia

Fungal

Aspergillosis
Blastomycosis
Cryptococcus
Coccidioidomycosis
Histoplasmosis

Bacterial

B. burgdorferi (Lyme)

Protozoal

Toxoplasmosis (IgM/IgG)

Rickettsial

Feline ehrlichiosis (E.canis/E.risticii)
E. equi
Chlamydia infections
Bartonella henselae
Rickettsia rickettsii (RMSF)

Microscopic Identification

Hemobartonella felis

Feline Disease Panel

E. canis, E. risticii, FeLV, FIP, Toxo

Other Testing (feline)

Coomb's Test (Direct)
Antinuclear antibodies (ANA)

EQUINE

Viral

Equine rhinopneumonitis

Fungal

Aspergillosis
Coccidioidomycosis

Bacterial

B. burgdorferi (Lyme Disease)

Protozoal

Babesia equi

Rickettsial

Equine ehrlichiosis (E. equi /
Anaplasma phagocytophila)
Potomac Horse Fever (E. risticii /
Neorickettsia risticii)

Other Testing (equine)

Coomb's Test (Direct)
Antinuclear antibodies (ANA)

EXOTICS

PRL runs a variety of specialized tests for unique or non domestic species. The following represents some of the species on which we perform testing for veterinarians, zoos and other institutions: Wild canidae, Wild felidae, Llama, Alpaca, Raccoon, Ferret, Monkey, and Baboon.