



**ProtaTek Reference Laboratory**  
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## 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.