

## Canine Distemper



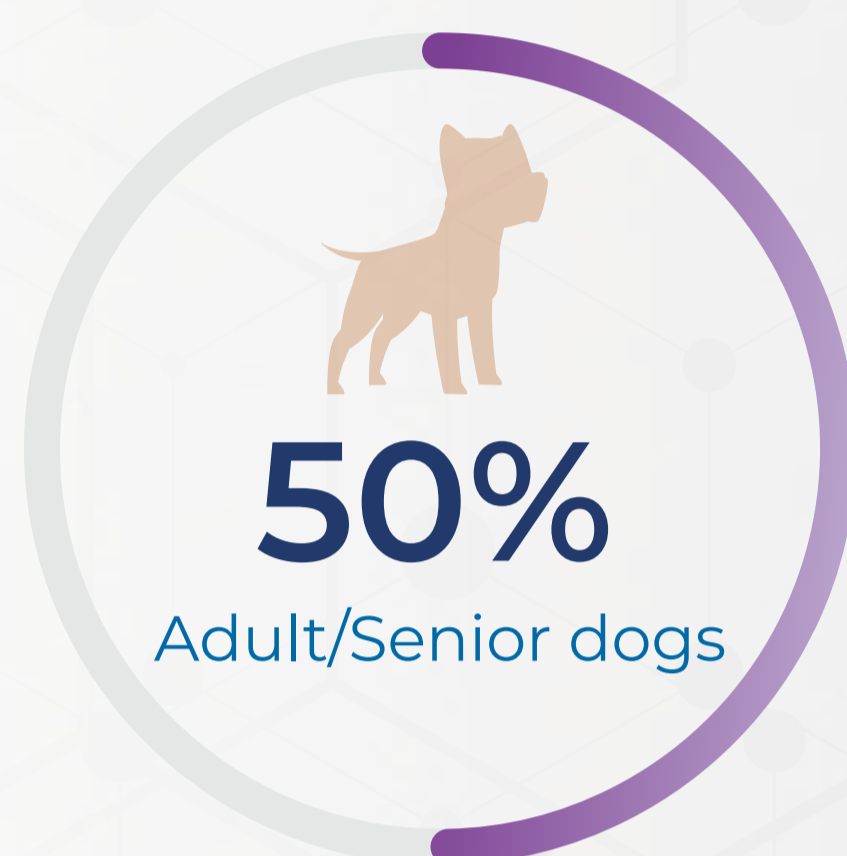
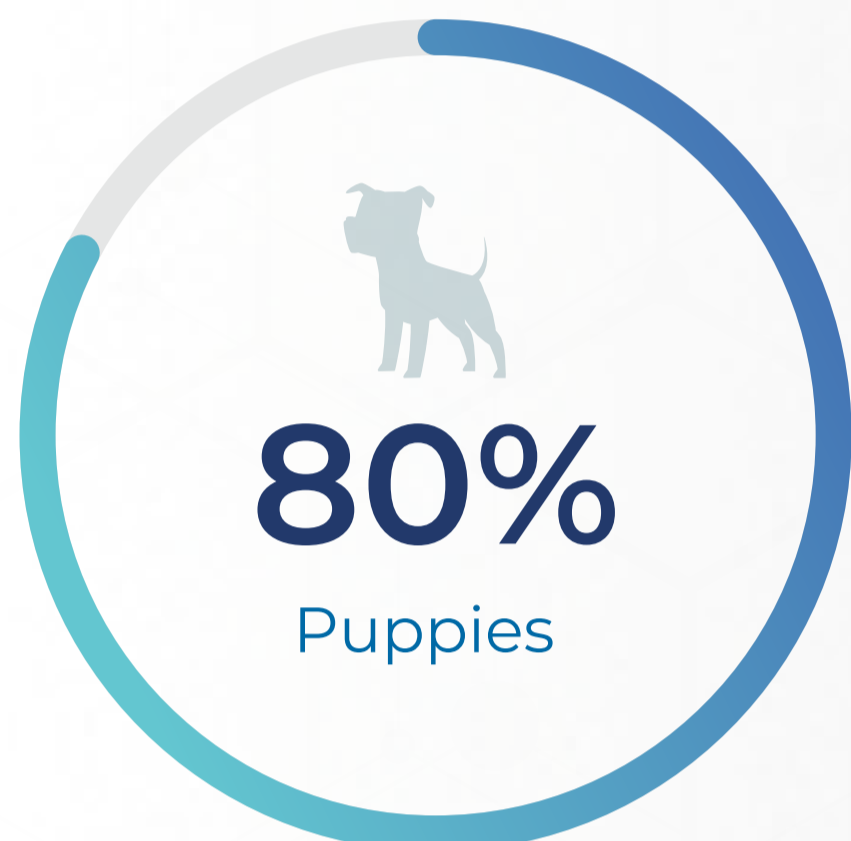
### Introduction

Canine distemper is a highly contagious virus that occurs globally affecting many terrestrial carnivores and is considered a significant cause of illness and death in dogs that are reservoir hosts of the disease.

Caused by the RNA virus paramyxovirus, the main route of infection... all bodily fluids.

Did you know?

#### Mortality Rate



Canine distemper virus can cause significant immunosuppression that may predispose to other infections including viruses, bacteria, or respiratory tract infections, also referred to as infectious respiratory disease complex.

### 6 things to know before testing for canine distemper virus

1

**General clinical signs:** mild transient fever, oculonasal discharge, coughing, lethargy, reduced appetite, diarrhea, and vomiting. It may also include dermatological, ocular, and CNS issues.

2

**Laboratory findings:**  
**-CBS:** severe leukopenia, anemia, thrombocytopenia, monocytosis, and neutrophilia.  
**-Biochemistry:** generally normal or related to concurrent diseases such as parvoviral enteritis.

3

**Diagnostic challenge:** early diagnosis is difficult due to the broad spectrum of signs that may be confounded with other respiratory and enteric diseases. Diagnosis should be based on history (vaccination and exposure) clinical signs (respiratory, gastrointestinal, neurological and dermatological), and laboratory confirmation.

4

**Antigen test:** simplest screening diagnostic method available to detect the presence of CDV.

Other Immunodiagnostic methods may be used to quantitate presence of the virus.

5

**Serology:** the presence of elevated levels of IgM antibodies is short lived. High IgM titers indicate recent exposure or recent vaccination to CDV. These levels begin to decline within approximately 2 weeks and IgG antibody levels start to rise. IgG remain elevated for months to years. High IgG titers may indicate previous vaccination or previous infection.

6

**PCR:** the sensitivity, specificity, and rapidity of molecular methods such as PCR when compared with conventional methods make molecular techniques preferable for CDV diagnosis.

**The optimum time for sample collection is during the febrile response:** conjunctival, deep nasal swab and a deep pharyngeal, whole blood (EDTA), urine (in neurological cases), etc.

Biogal Galed Labs provides the complete diagnostic tool kit for canine distemper virus.

PCRun  
PCR DNA Detection Kit



Product code:  
30CDR108 / 30PRE308 / 30CDR116  
Packaging units: 4-16-48 test/kit

ImmunoRun  
Ag Detection Kit



Product code:  
80CDV205 / 80CDV250  
Packaging units: 5-50 test/kit

ImmunoComb  
Ab IgM Detection Kit



Product code:  
55CPD301 / 55CPD210  
Packaging units: 12 - 120 test/kit

VacciCheck  
Ab IgG Detection Kit



Product code:  
50CVV201 / 50CVV110  
Packaging units: 12 - 120 test/kit