



Native Canine Coronavirus (strain 1-71) Antigen (DAGC097)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Species	coronavirus
Conjugate	Unconjugated
Applications	ELISA
Format	Liquid
Size	1 mg
Buffer	0.05M Glycine, pH 9 with <0.1% CHAPS and <0.01% SDS
Preservative	None
Storage	Store at -70°C or below.

BACKGROUND

Introduction	Canine coronavirus is a virus of the family Coronaviridae that causes a highly contagious intestinal disease worldwide in dogs. It was discovered in 1971 in Germany during an outbreak in sentry dogs. The virus invades and replicates in the villi of the small intestine. Intestinal disease may be related to virus-induced apoptosis (programmed cell death) of cells of the epithelial mucosa of the small intestine. A more serious complication of canine coronavirus occurs when the dog is also infected with canine parvovirus. Coronavirus infection of the intestinal villi makes the cells more susceptible to parvovirus infection. This causes a much more severe disease than either virus can separately.
Keywords	Canine Coronavirus; Coronavirus; CCV; Canine CoV; CoV