



Animal Health Diagnostic Center

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AHDC Fact Sheet

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Mammalian Alpha- and Beta-coronavirus PCR Guidelines*

Species	Enteric illness (diarrhea)	Preferred sample	Respiratory illness	Preferred sample	Fever of unknown origin (Systemic illness)	Preferred sample
Feline	Alpha-coronavirus PCR	Feces, swab in RT, intestinal tissue			Alpha-coronavirus PCR (FIP)	EDTA, serum, Peritoneal fluid, tissue
Canine	Alpha-coronavirus PCR	Feces, swab in RT, intestinal tissue	Beta-coronavirus PCR	Nasal swab in RT, lung tissue		
Bovine	Beta-coronavirus PCR	Feces, swab in RT, intestinal tissue	Beta-coronavirus PCR	Nasal swab in RT, lung tissue		
Camelid	Beta-coronavirus PCR	Feces, swab in RT, intestinal tissue				
Equine	Beta-coronavirus PCR	Feces, swab in RT, intestinal tissue				
Swine**	Alpha-coronavirus PCR (TGE)	Feces, swab in RT, intestinal tissue	Alpha-coronavirus PCR (TGE)	Nasal swab in RT, lung tissue		
Ferret	Alpha-coronavirus PCR	Feces, swab in RT, intestinal tissue				
Mink	Alpha-coronavirus PCR	Feces, swab in RT, intestinal tissue				
Bat	Research testing only at this time			whole bat	Alpha and Beta	Best tissue unknown

* The alpha-coronavirus and beta-coronavirus PCR assays offered by the Animal Health Diagnostic Center are crossreacting. That is, each will detect all of the respective alpha- or beta-coronaviruses indicated in this guide. Please submit the indicated specimen(s).

**** The viruses associated with Porcine epidemic diarrhea (PED/PDCov) are not detected by this assay and detection requires referral to another laboratory.**