

Product datasheet for **AP00667PU-N**

Cryptosporidium parvum (Intact Oocysts) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF
Recommended Dilution:	ELISA. IFA.
Reactivity:	Bovine
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Oocysts purified from bovine feces
Specificity:	This antibody recognizes intact oocysts of bovine <i>Cryptosporidium parvum</i> . Cross-reacts with a large rod-shaped microorganism found in bovine feces.
Formulation:	0.01M PBS, pH 7.2. containing 0,09% sodium azide State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	>95% pure. Sodium sulfate precipitation and ion exchange chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Background:

Members of the genus *Cryptosporidium* are parasites of the intestinal tracts of fishes, reptiles, birds, and mammals. It seems that members of this genus do not display a high degree of host specificity, so the number of species in this genus remains a matter of some discussion. *Cryptosporidium* isolated from humans is now referred to as *C. parvum*. *Cryptosporidium* infections have been reported from a variety of wild and domesticated animals. *Cryptosporidiosis* is now recognized as an important opportunistic infection, especially in immunocompromised hosts.

Cryptosporidium is a small protozoan parasite, measuring about 3-5 μm . It lives on (or just under) the surface of the cells lining the small intestine, reproduces asexually, and oocysts are passed in the feces. Transmission of the infection occurs via the oocysts. Many human infections have been traced to the contamination of drinking water with oocysts from agricultural "run-off" (i.e., drainage from pastures), so it is considered a zoonosis. The most common symptom of *cryptosporidiosis* is watery diarrhea; other symptoms include stomach cramps or pain, fever, nausea and vomiting. In persons with healthy immune systems, symptoms usually last about 1 to 2 weeks.