

ParoReal Kit *Cryptosporidium parvum*



For veterinary use only

ParoReal Kit *Cryptosporidium parvum*

Order no.	Reactions	Pathogen	Internal positive control
DVEP00613	100	FAM channel	Cy5 channel
DVEP00653	50	FAM channel	Cy5 channel
DVEP00611	100	FAM channel	VIC/HEX channel
DVEP00651	50	FAM channel	VIC/HEX channel

Kit contents:

- Detection assay for *Cryptosporidium parvum*
- Detection assay for internal positive control (control of amplification)
- DNA reaction mix (contains uracil-N glycosylase, UNG)
- Positive control for *Cryptosporidium parvum*
- Water

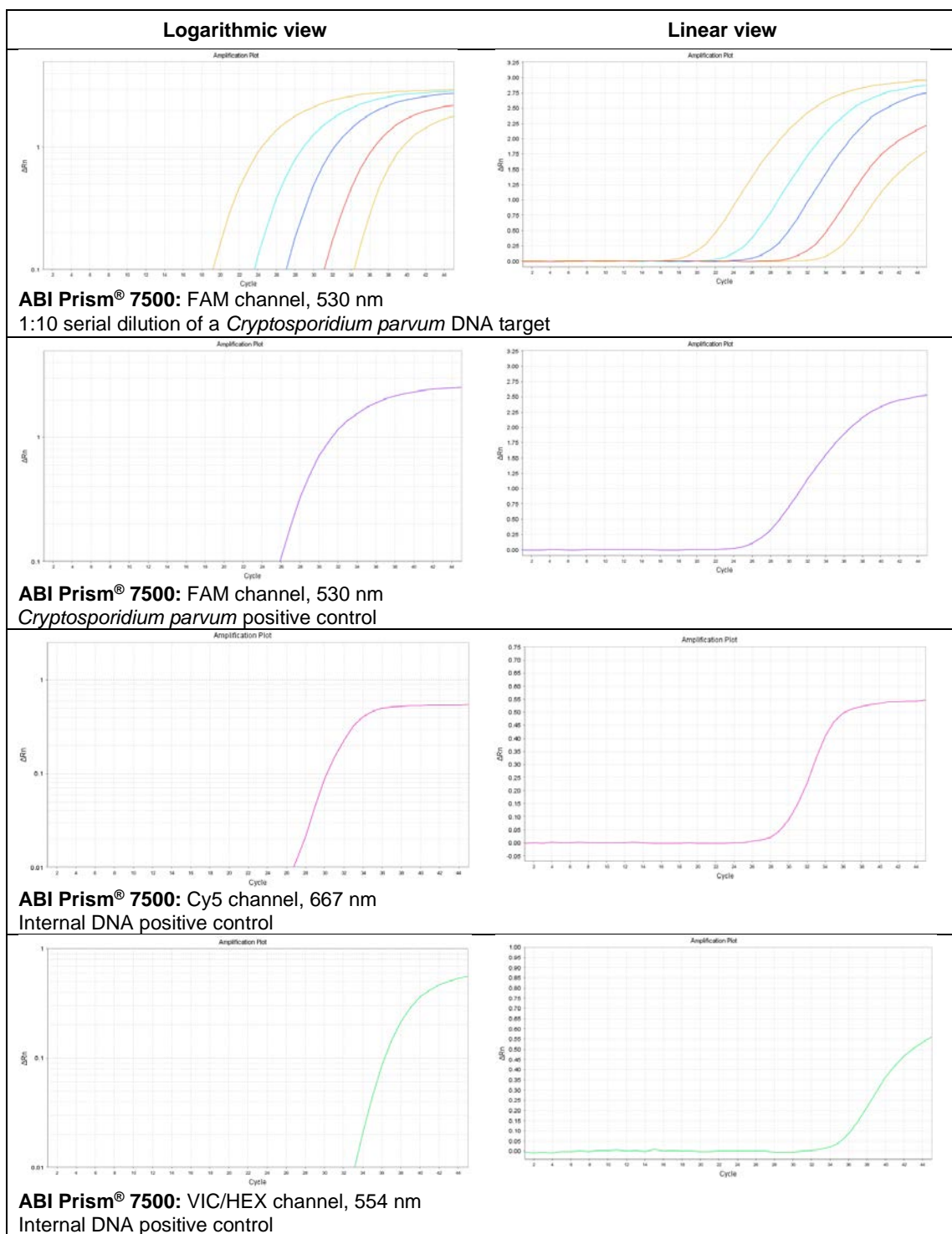


Background: *Cryptosporidium parvum* is one of several protozoal species that cause cryptosporidiosis, a parasitic disease of the mammalian intestinal tract. It is a zoonotic and obligate intracellular parasite. Primary symptoms of *C. parvum* infection are acute, watery, and non-bloody diarrhea. *C. parvum* infection is of particular concern in immunocompromised patients. Extra-intestinal sites include the lung, liver and gall bladder where it causes respiratory cryptosporidiosis, hepatitis and cholecystitis. Infection is caused by ingestion of sporulated oocysts transmitted by the faecal-oral route.

Description: ParoReal Kit *Cryptosporidium parvum* is based on the amplification and detection of the GP60 gene of *Cryptosporidium parvum* using real-time PCR. It allows the rapid and sensitive detection of *Cryptosporidium parvum* from DNA samples purified from stool (e.g. with the QIAamp DNA Mini Kit).

PCR-platforms: ParoReal Kit *Cryptosporidium parvum* is developed for the ABI PRISM® 7500 instrument (Life Technologies), LightCycler® 480 (Roche) and Mx3005P® QPCR System (Agilent), but is also suitable for other real-time PCR instruments.

Sensitivity and specificity: ParoReal Kit *Cryptosporidium parvum* detects at least 10 target copies/PCR reaction. The kit is specific for *Cryptosporidium parvum* and *Cryptosporidium felis*.



ViroReal®, BactoReal® and ParoReal Kits run with the same thermal cycling conditions.
RNA and DNA material can be analysed in one PCR run.

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