

ParoReal Kit

Trichinella spiralis & britovi



For veterinary use only

ParoReal Kit *Trichinella spiralis & britovi*

Order no.	Reactions	Pathogen	Internal positive control
DVEP00413	100	FAM + VIC/HEX channel	Cy5 channel
DVEP00453	50	FAM + VIC/HEX channel	Cy5 channel

Kit contents:

- Multiplex detection assay for *Trichinella spiralis* & *T. britovi*
- Detection assay for internal positive control (control of amplification)
- DNA reaction mix (contains uracil-N glycosylase, UNG)
- Positive control for *Trichinella spiralis* & *T. britovi*
- Water

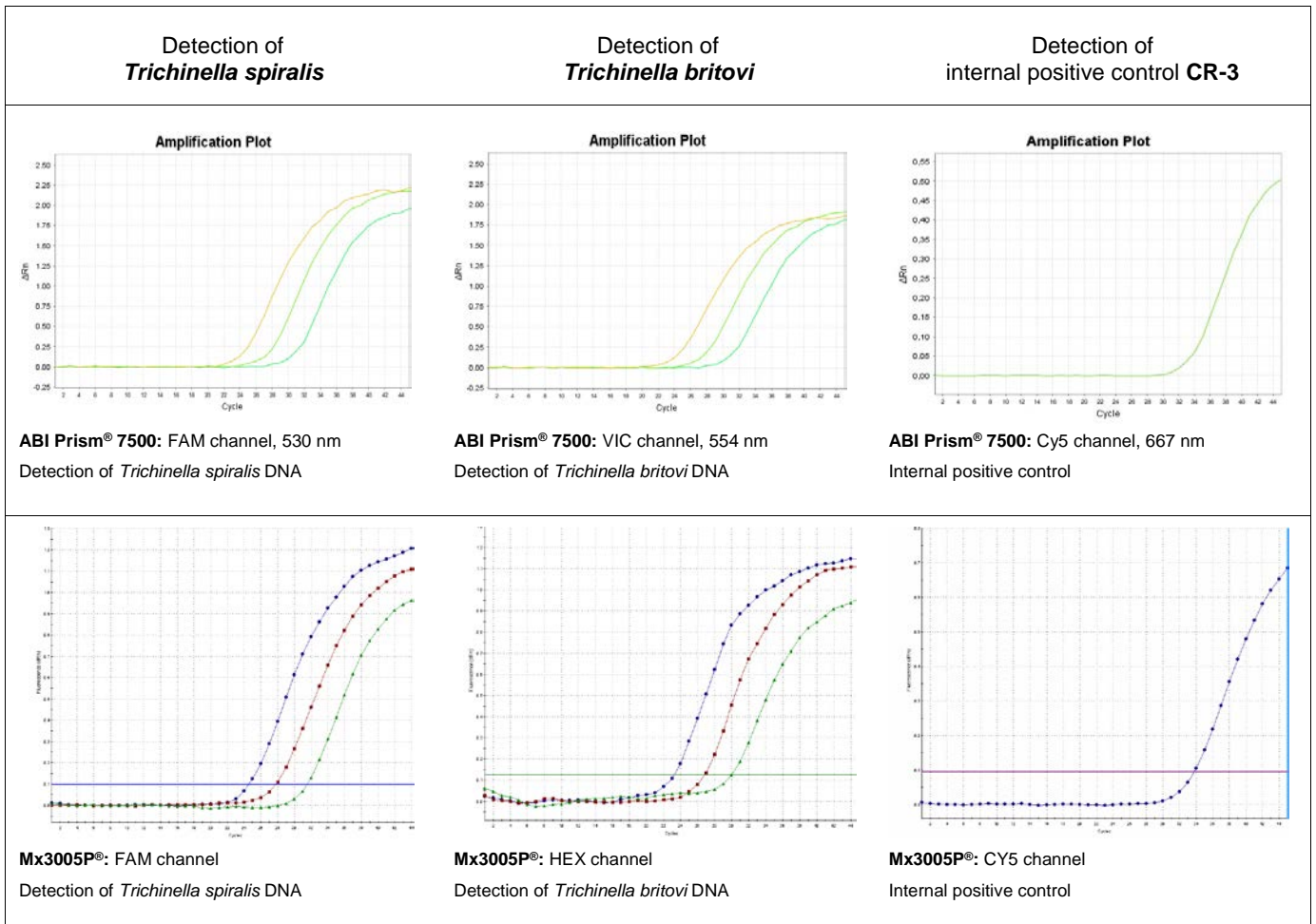


Background: Trichinellosis is a food-borne parasitic zoonosis caused by nematodes of the genus *Trichinella*. Twelve genotypes of *Trichinella* have been identified worldwide four of which are confirmed to exist in Europe: *T. spiralis*, *T. nativa*, *T. britovi* and *T. pseudospiralis*. Two main clades are recognized in the genus: one group (*T. britovi*, *T. murrelli*, *T. nativa*, *T. nelsoni*, *T. spiralis*) that encapsulates in host muscle tissue and a second (*T. papuae*, *T. pseudospiralis*, *T. zimbabwensis*) that does not.

Description: ParoReal Kit *Trichinella spiralis & britovi* is based on the amplification and detection of the internal transcribed spacer of *Trichinella spiralis* and *T. britovi* using real-time PCR. It allows the rapid and sensitive detection of *Trichinella spiralis* and *T. britovi* from DNA samples purified from meat (e.g. with the QIAamp DNA Mini Kit). *Trichinella spiralis* is detected in FAM channel and *Trichinella britovi* is detected in VIC/HEX channel.

PCR-platforms: ParoReal Kit *Trichinella spiralis & britovi* is developed and validated for the ABI PRISM® 7500 instrument (Thermo Fisher Scientific), LightCycler® 480 (Roche) and Mx3005P® QPCR System (Agilent), but is also suitable for other real-time PCR instruments.

Sensitivity and specificity: ParoReal Kit *Trichinella spiralis & britovi* has an analytical sensitivity of 5-10 target copies per PCR reaction and is specific for *T. spiralis* and *T. britovi*.



**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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