

BactoReal[®] Kit *Taylorella equigenitalis*



For veterinary use only

BactoReal[®] Kit *Taylorella equigenitalis*

Order no.	Reactions	Pathogen	Internal positive control
DVEB04613	100	FAM channel	Cy5 channel
DVEB04653	50	FAM channel	Cy5 channel
DVEB04611	100	FAM channel	VIC/HEX channel
DVEB04651	50	FAM channel	VIC/HEX channel

Kit contents:

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

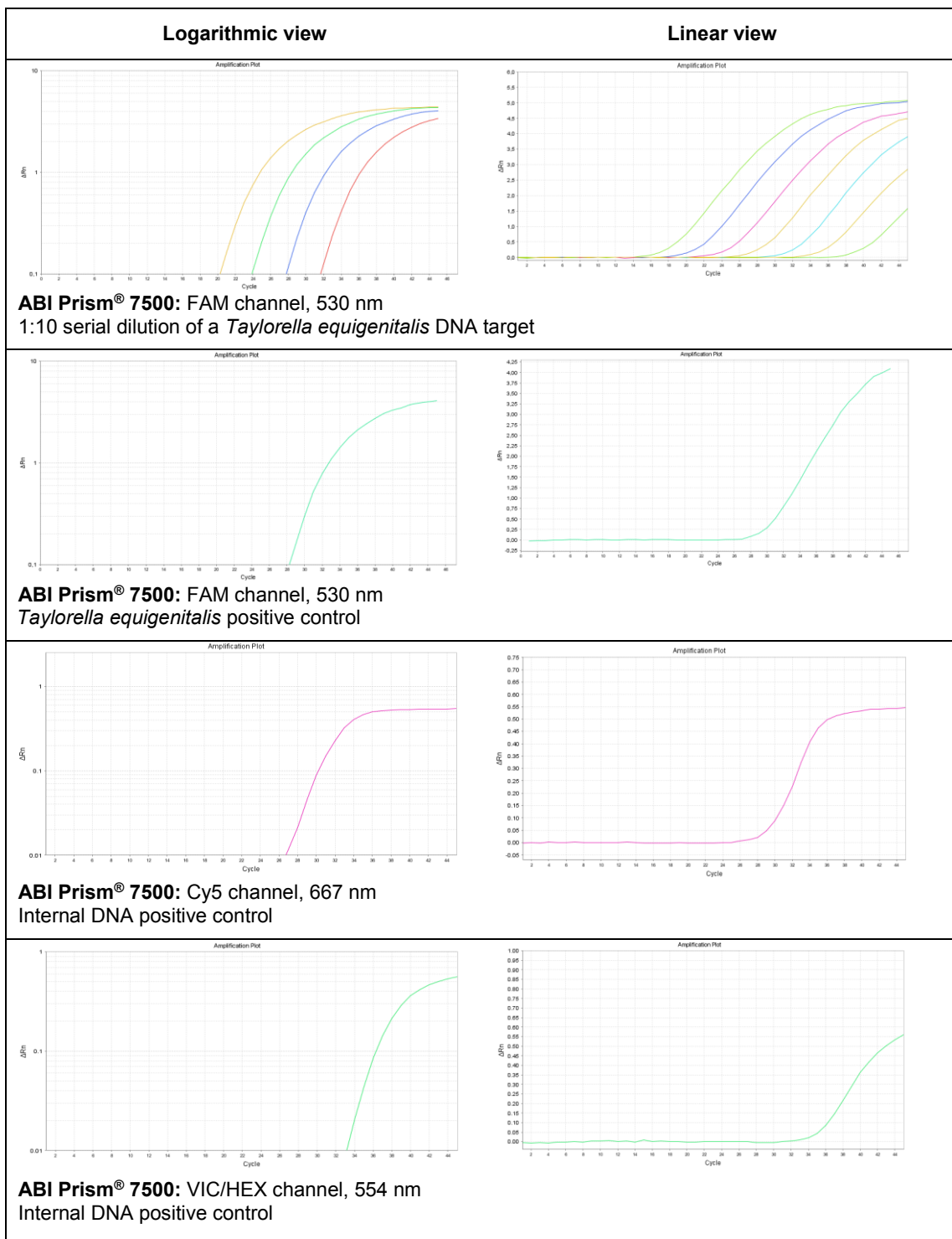


Background: *T. equigenitalis* is a gram-negative bacterium and the causal agent of contagious equine metritis (CEM). CEM is an inflammation of the endometrium of mares, which usually results in temporary infertility. *Taylorella equigenitalis* is transmitted mainly during mating. It can also be spread by infected semen during artificial insemination.

Description: BactoReal[®] Kit *Taylorella equigenitalis* is based on the amplification and detection of the 16S rRNA gene of *T. equigenitalis* using real-time PCR. The 16S rRNA gene is present three times in the genome of *T. equigenitalis*. This kit allows the rapid detection of *T. equigenitalis* from DNA samples purified from swabs (e.g. with the QIAamp DNA Mini Kit).

PCR-platforms: BactoReal[®] Kit *Taylorella equigenitalis* 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: BactoReal[®] Kit *Taylorella equigenitalis* detects at least 50 target copies/reaction (equivalent to 17 *T. equigenitalis* genomes). The Kit is specific for *T. equigenitalis* and does not detect *Taylorella asinigenitalis*.



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

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