

BactoReal® Kit *Mycoplasma hyorhinis*



For veterinary use only

BactoReal® Kit *Mycoplasma hyorhinis*

Order no.	Reactions	Pathogen	Internal positive control
DVEB01413	100	FAM channel	Cy5 channel
DVEB01453	50	FAM channel	Cy5 channel
DVEB01411	100	FAM channel	VIC/HEX channel
DVEB01451	50	FAM channel	VIC/HEX channel

Kit contents:

- Detection assay for *Mycoplasma hyorhinis*
- Detection assay for internal positive control (control of amplification)
- DNA reaction mix (including uracil-N glycosylase, UNG)
- Positive control for *M. hyorhinis*
- Water



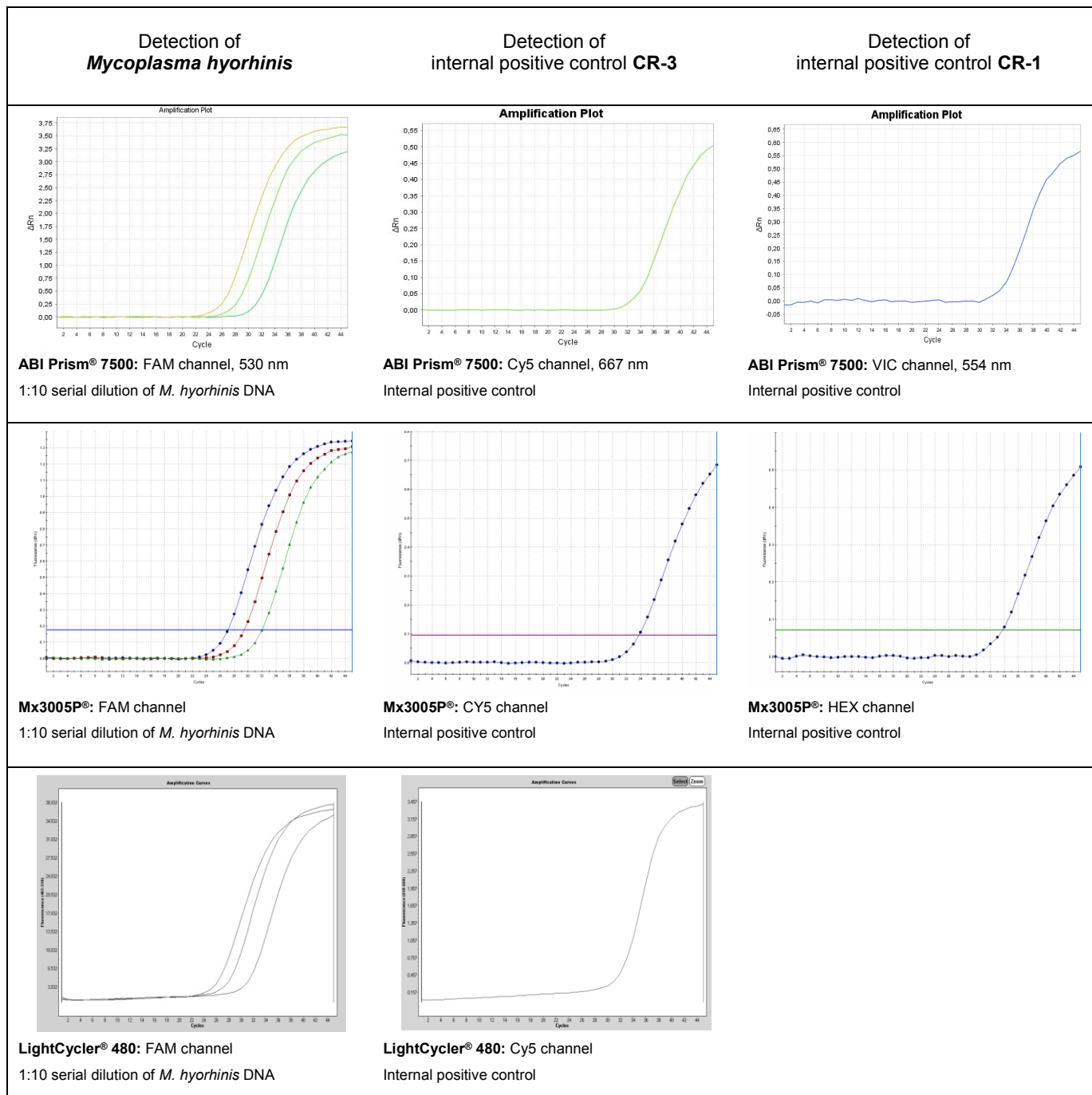
Background: *Mycoplasma hyorhinis* causes pneumonia, polyarthritis and polyserositis in swine. *Mycoplasma hyorhinis* can be isolated e.g. from joints, liver, lung tissues and nasal cavities.

Description: BactoReal® Kit *Mycoplasma hyorhinis* is based on the amplification and detection of the *rpoB* gene of *M. hyorhinis* using real-time PCR. It allows the rapid and sensitive detection of the *rpoB* gene of *M. hyorhinis* from DNA samples purified from biopsies (e.g. with the QIAamp DNA Mini Kit).

PCR-platforms: BactoReal® Kit *Mycoplasma hyorhinis* is developed and validated 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: BactoReal® Kit *Mycoplasma hyorhinis* has a sensitivity of 10 target copies/PCR reaction. The limit of detection (LoD95 = smallest number of copies of target DNA which can be detected in 95% of cases) is 52 target copies/reaction and was determined by several replicates around the detection limit. The kit is specific for *Mycoplasma hyorhinis*. Specificity was tested on isolates of *E. coli*, *H. parasuis*, *M. pneumoniae*, *M. hyopneumoniae*, *M. hyorhinis* and *P. multocida*. No cross reactions were observed.

References: Kobisch M, Friis NF. 1996. Swine mycoplasmoses. Rev Sci Tech. 15:1569-605.



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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