

BactoReal[®] Kit Mycoplasma bovis



For veterinary use only

BactoReal [®] Kit <i>Mycoplasma bovis</i>			
Order no.	Reactions	Pathogen	Internal positive control
DVEB02513	100	FAM channel	Cy5 channel
DVEB02553	50	FAM channel	Cy5 channel
DVEB02511	100	FAM channel	VIC/HEX channel
DVEB02551	50	FAM channel	VIC/HEX channel

Kit contents:

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



Background: *Mycoplasma bovis* is a pathogen causing respiratory disease, otitis media, arthritis and mastitis in cattle worldwide.

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

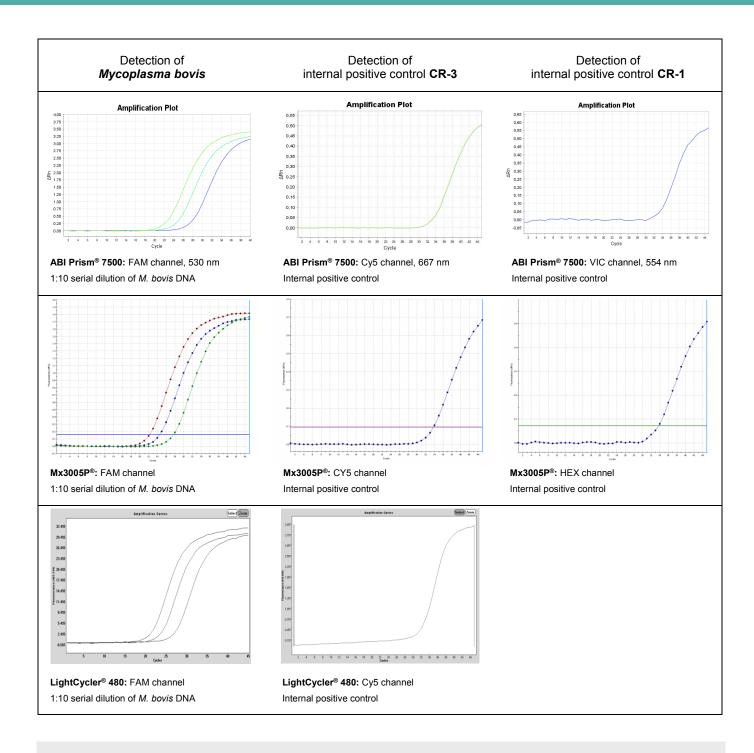
PCR-platforms: BactoReal® Kit *Mycoplasma bovis* is developed and validated for the ABI PRISM® 7500 instrument (Life Technologies), LightCycler® 480 (Roche) and Mx3005P® QPCR System (Agilent), but is also suitable for other real-time PCR instruments.

Sensitivity and specificity: BactoReal® Kit *Mycoplasma bovis* has an analytical sensitivity of 2 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 4 target copies/reaction and was determined by several replicates around the detection limit. Specificity was tested on isolates of *Mycoplasma bovis, Mycoplasma gallisepticum, Mycoplasma hyorhinis, Mycoplasma hyorhinis, Mycoplasma hyorhinis, Mycoplasma suis.* No cross reactions were observed. Seven field samples were tested and correctly analysed.

References: F.P. Maunsell, A.R. Woolums, D. Francoz, R.F. Rosenbusch, D.L. Step, D.J. Wilson, and E.D. Janzen. 2011. *Mycoplasma bovis* infections in cattle. J Vet Intern Med. 25:772–783.

Product Description





BactoReal®, MycoReal, ParoReal and ViroReal® Kits run with the same thermal cycling conditions.

RNA and DNA material can be analysed in one PCR run.

For further information on our products please visit our homepage (www.ingenetix.com)