

BactoReal® Kit *Pseudomonas aeruginosa*



For veterinary use only

BactoReal® Kit <i>Pseudomonas aeruginosa</i>			
Order no.	Reactions	Pathogen	Internal positive control
DVEB04513	100	FAM channel	Cy5 channel
DVEB04553	50	FAM channel	Cy5 channel
DVEB04511	100	FAM channel	VIC/HEX channel
DVEB04551	50	FAM channel	VIC/HEX channel

Kit contents:

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

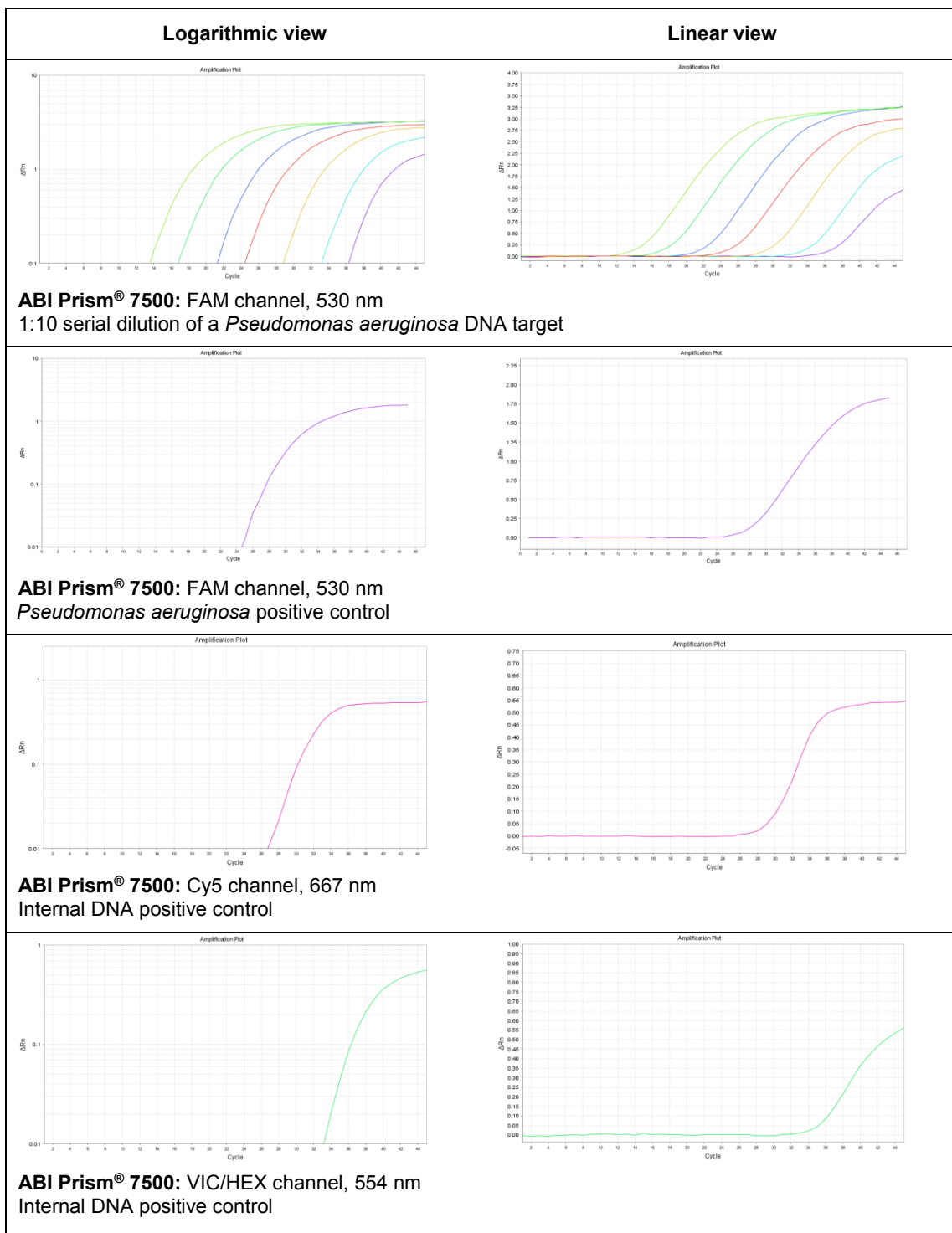


Background: *Pseudomonas aeruginosa* is a gram-negative bacterium found widely in the environment, such as in soil, water, and plants. It causes a wide range of opportunistic infections such as wound infections, mastitis, pneumoniae, otitis, etc.

Description: BactoReal® Kit *Pseudomonas aeruginosa* is based on the amplification and detection of the 16S rRNA gene of *P. aeruginosa* using real-time PCR. This kit allows the rapid and sensitive detection of *P. aeruginosa* from DNA samples purified from blood, biopsies and swabs (e.g. with the QIAamp DNA Mini Kit).

PCR-platforms: BactoReal® Kit *Pseudomonas aeruginosa* 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 *Pseudomonas aeruginosa* has a limit of detection (LoD95 = smallest number of copies of target DNA which can be detected in 95% of cases) of 5 target copies/reaction. The Kit might show cross reaction with some strains of *Pseudomonas protegens*, *Pseudomonas otitidis*, *Pseudomonas fluorescens* and *Pseudomonas tropicalis*.



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)