

BactoReal® Kit *Ornithobacterium rhinotracheale*



For veterinary use only

BactoReal® Kit <i>Ornithobacterium rhinotracheale</i>			
Order no.	Reactions	Pathogen	Internal positive control
DVEB06613	100	FAM channel	Cy5 channel
DVEB06653	50	FAM channel	Cy5 channel
DVEB06611	100	FAM channel	VIC/HEX channel
DVEB06651	50	FAM channel	VIC/HEX channel

Kit contents:

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

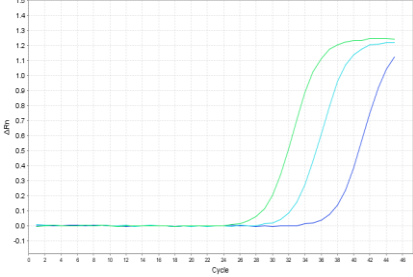
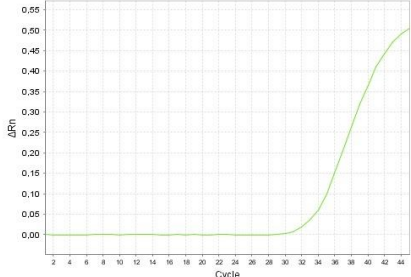
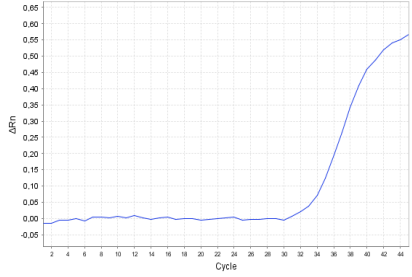
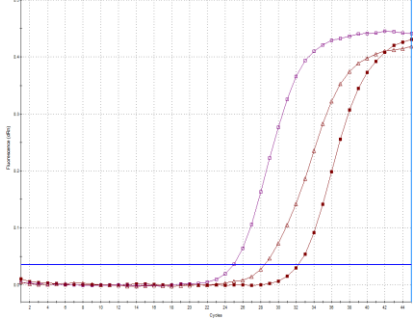
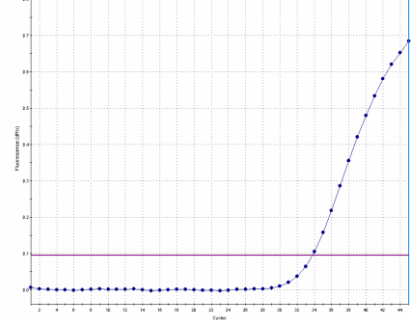
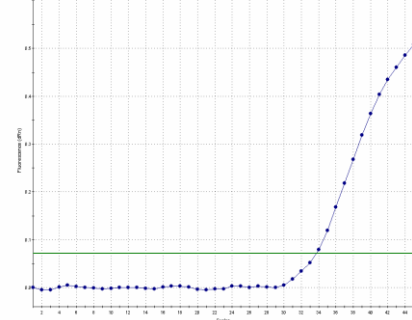
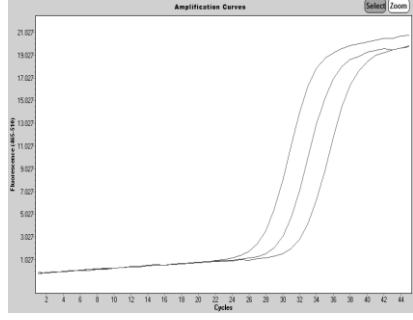
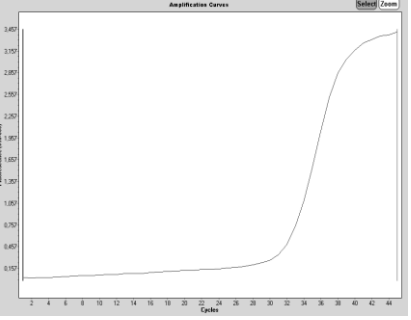


Background: *Ornithobacterium rhinotracheale* (ORT) is a gram-negative bacterium causing respiratory disease in turkeys, chickens and other avian species. Clinical signs are nasal discharge, sneezing, coughing and sinusitis. *Ornithobacterium rhinotracheale* is currently the only species within the *Ornithobacterium* genus and is found worldwide.

Description: BactoReal® Kit *Ornithobacterium rhinotracheale* is based on the amplification and detection of the 16S rRNA gene of *Ornithobacterium rhinotracheale* using real-time PCR. It allows the rapid and sensitive detection of *Ornithobacterium rhinotracheale* from DNA samples purified from tissues (e.g. with the QIAamp DNA Mini Kit).

PCR-platforms: BactoReal® Kit *Ornithobacterium rhinotracheale* 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 *Ornithobacterium rhinotracheale* has a sensitivity of 1 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 5 target copies/reaction. The kit is specific for *Ornithobacterium rhinotracheale*.

Detection of <i>Ornithobacterium rhinotracheale</i>	Detection of internal positive control CR-3	Detection of internal positive control CR-1
<p style="text-align: center;">Amplification Plot</p> 	<p style="text-align: center;">Amplification Plot</p> 	<p style="text-align: center;">Amplification Plot</p> 
<p>ABI Prism® 7500: FAM channel, 530 nm 1:10 serial dilution of <i>O. rhinotracheale</i> DNA</p>	<p>ABI Prism® 7500: Cy5 channel, 667 nm Internal positive control</p>	<p>ABI Prism® 7500: VIC channel, 554 nm Internal positive control</p>
		
<p>Mx3005P®: FAM channel 1:10 serial dilution of <i>O. rhinotracheale</i> DNA</p>	<p>Mx3005P®: CY5 channel Internal positive control</p>	<p>Mx3005P®: HEX channel Internal positive control</p>
<p style="text-align: center;">Amplification Curves</p> 	<p style="text-align: center;">Amplification Curves</p> 	
<p>LightCycler® 480: FAM channel 1:10 serial dilution of <i>O. rhinotracheale</i> DNA</p>	<p>LightCycler® 480: Cy5 channel Internal positive control</p>	

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)