

BactoReal® Kit *Aerococcus viridans*



For veterinary use only

BactoReal® Kit *Aerococcus viridans*

Order no.	Reactions	Pathogen	Internal positive control
DVEB05313	100	FAM channel	Cy5 channel
DVEB05353	50	FAM channel	Cy5 channel
DVEB05311	100	FAM channel	VIC/HEX channel
DVEB05351	50	FAM channel	VIC/HEX channel

Kit contents:

- Detection assay for *Aerococcus viridans*
- Detection assay for internal positive control (control of amplification)
- DNA reaction mix (contains uracil-N glycosylase, UNG)
- Positive control for *A. viridans*
- Water



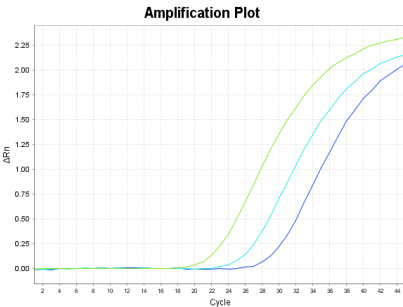
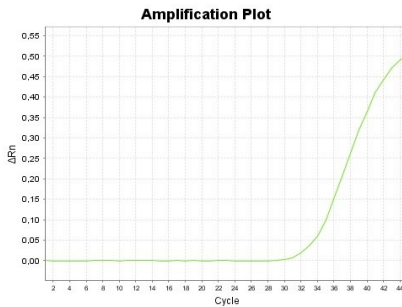
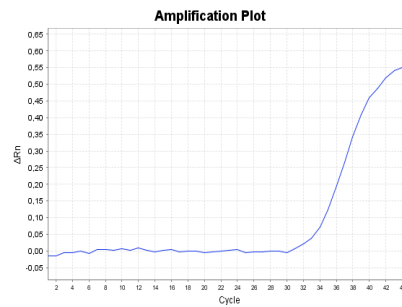
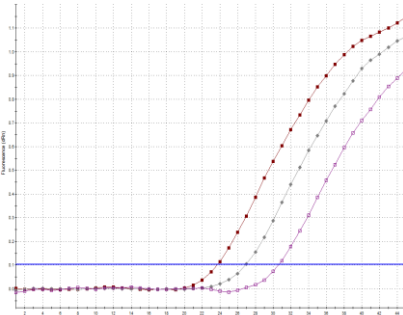
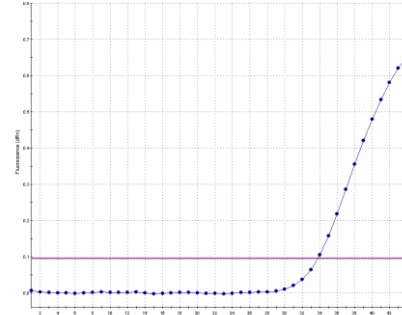
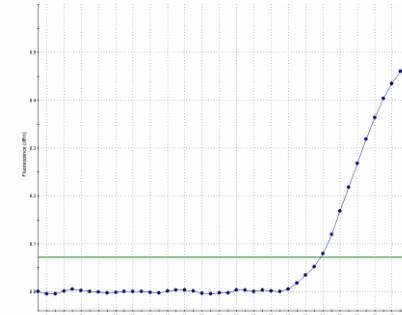
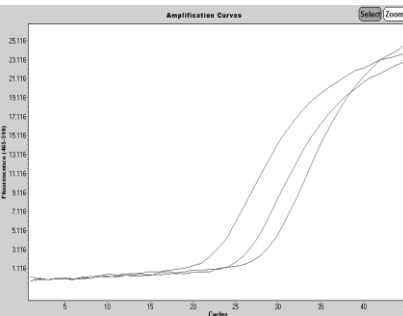
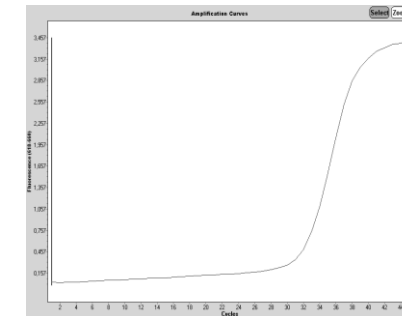
Background: *Aerococcus viridans* is a Gram-positive bacterium causing gaffkemia, a fatal lobster disease, and it has been associated with septicemia in sea turtles. *Aerococcus viridans* has also been isolated from the milk of cows with subclinical mastitis. It can also cause different human infections such as endocarditis, urinary tract infections, arthritis, or meningitis.

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

PCR-platforms: BactoReal® Kit *Aerococcus viridans* 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 *Aerococcus viridans* has a sensitivity of 5 target copies/PCR reaction and is specific for *Aerococcus viridans* and *Aerococcus urinaequi*.

References: Martín V, Vela AI, Gilbert M, Cebolla J, Goyache J, Domínguez L, Fernández-Garayzábal JF. 2007. Characterization of *Aerococcus viridans* isolates from swine clinical specimens. J Clin Microbiol. 45:3053-7.

Detection of <i>Aerococcus viridans</i>	Detection of internal positive control CR-3	Detection of internal positive control CR-1
		
<p>ABI Prism® 7500: FAM channel, 530 nm 1:10 serial dilution of <i>A. viridans</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>A. viridans</i> DNA</p>	<p>Mx3005P®: CY5 channel Internal positive control</p>	<p>Mx3005P®: HEX channel Internal positive control</p>
		
<p>LightCycler® 480: FAM channel 1:10 serial dilution of <i>A. viridans</i> DNA</p>	<p>LightCycler® 480: Cy5 channel Internal positive control</p>	

Ingenetix ViroReal®, BactoReal® and ParoReal 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)