# BactoReal® Kit
# *Riemerella anatipestifer*


**For veterinary use only**

**BactoReal® Kit *Riemerella anatipestifer***

| Order no. | Reactions | Pathogen | Internal positive control |
|---|---|---|---|
| DVEB05913 | 100 | FAM channel | Cy5 channel |
| DVEB05953 | 50 | FAM channel | Cy5 channel |
| DVEB05911 | 100 | FAM channel | VIC/HEX channel |
| DVEB05951 | 50 | FAM channel | VIC/HEX channel |

**Kit contents:**

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

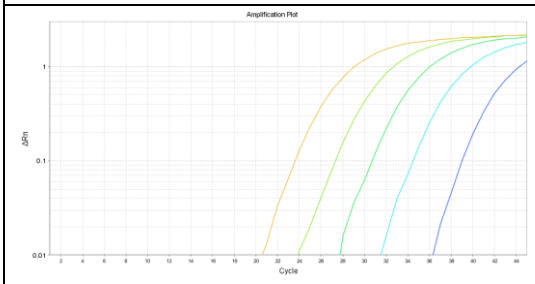
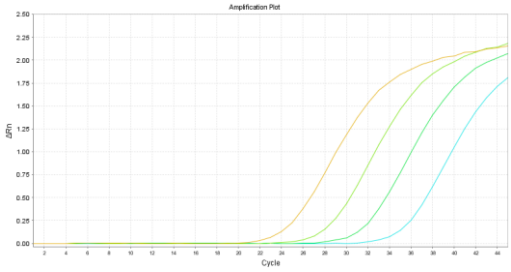
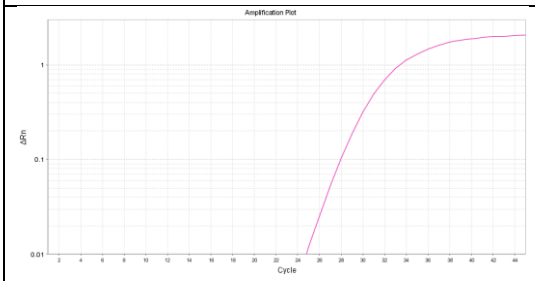
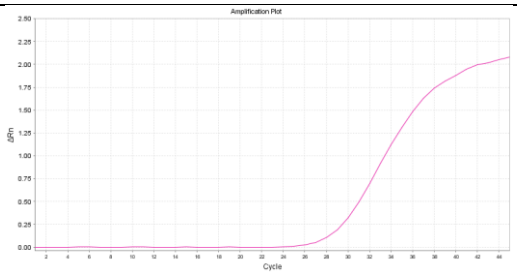
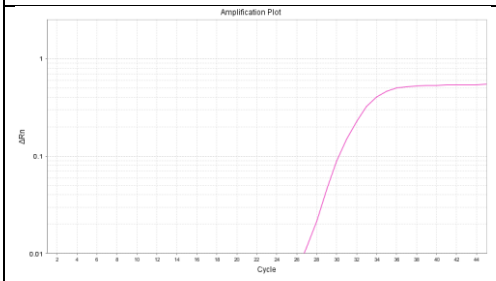
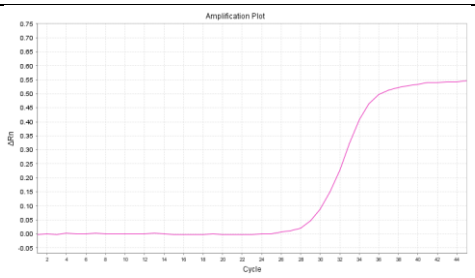
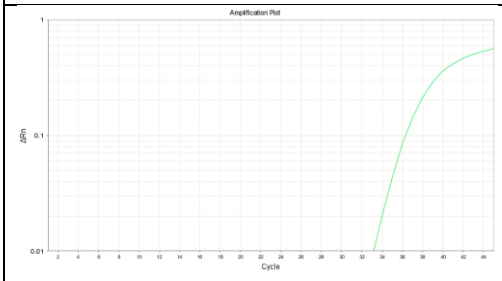
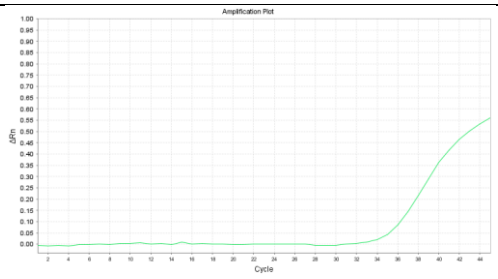
**Background:** *Riemerella anatipestifer* is a Gram-negative bacterium that causes acute or chronic septicaemia. It primarily affects young ducks and less frequently turkeys and geese throughout the world. There are 21 known serotypes and infection is spread horizontally between birds. Infection may be referred to as Duck Septicaemia, Goose 'flu, Riemerellosis, New Duck Disease and Polyserositis.

**Description:** BactoReal® Kit *Riemerella anatipestifer* is based on the amplification and detection of the 16S-23S ribosomal RNA intergenic spacer of *Riemerella anatipestifer* using real-time PCR. It allows the rapid and sensitive detection of *Riemerella anatipestifer* from DNA samples purified from tissues and swabs (e.g. with the QIAamp DNA Mini Kit).

**PCR-platforms:** BactoReal® Kit *Riemerella anatipestifer* is developed 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 *Riemerella anatipestifer* detects at least 20 target copies/PCR reaction, which is equal to seven *R. anatipestifer* colony forming units, CFU (PCR target gene is present three times in the genome of *Riemerella anatipestifer).* The kit is specific for *Riemerella anatipestifer*.

ingenetix GmbH
Arsenalstraße 11, 1030 Vienna, Austria
T +43(0)1 36 1980 198
F +43(0)1 36 1980 199
office@ingenetix.com
www.ingenetix.com

| Logarithmic view | Linear view |
|---|---|
|  |  |
| **ABI Prism® 7500:** FAM channel, 530 nm<br>1:10 serial dilution of a *Riemerella anatipestifer* DNA target | |
|  |  |
| **ABI Prism® 7500:** FAM channel, 530 nm<br>*Riemerella anatipestifer* positive control | |
|  |  |
| **ABI Prism® 7500:** Cy5 channel, 667 nm<br>Internal DNA positive control | |
|  |  |
| **ABI Prism® 7500:** VIC/HEX channel, 554 nm<br>Internal DNA positive control | |

**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)**

ingenetix GmbH
Arsenalstraße 11, 1030 Vienna, Austria
T +43(0)1 36 1980 198
F +43(0)1 36 1980 199
office@ingenetix.com
www.ingenetix.com