

Borrelia Detection Kit

Technical Specifications

Intended Use

- Qualitative in vitro assay for the detection of *Borrelia burgdorferi* sensu lato strains.

Suitable Sample Type

- Nasopharyngeal aspirate
- Nasopharyngeal swab
- Serum and Rash Fluid
- Oropharyngeal swab

Test Procedure

- Viral Isolation
- Multiplex RT-qPCR

Validated PCR Instruments

- Bio-Rad CFX96
- Life Technologies ABI-7500
- Roche, Light Cycler 480 II
- Qiagen Rotor-Gene® 3000 Q5/Q6
- BioMolecular Systems, MicPCR

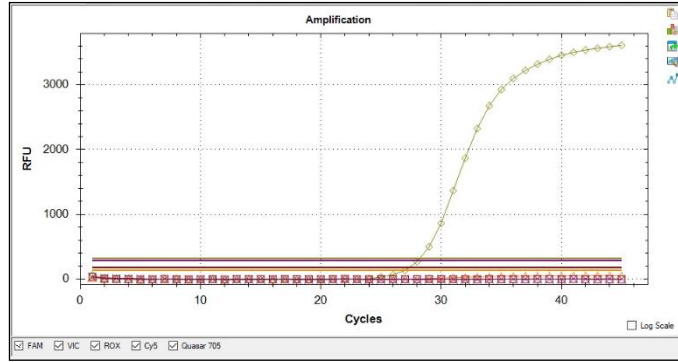
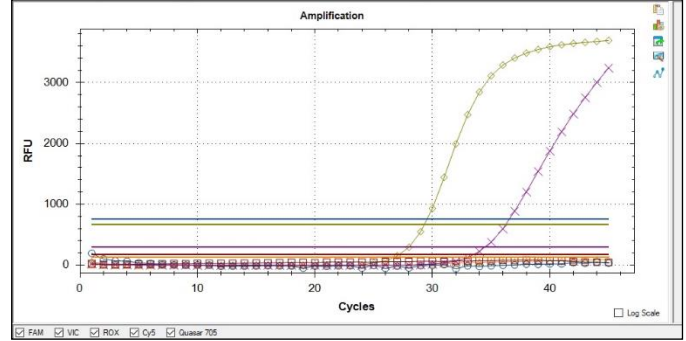
Catalog Number

- BOR-RT50

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Positive Result Analysis



Negative Result Analysis

- ✓ This kit uses Multiplex Real-time PCR based method.
- ✓ Qualitative detection and genotyping for *Borrelia burgdorferi* sensu lato strains; *B. burgdorferi sensu stricto*, *B. garinii*, *B. afzelii*, *B. andersonii*, *B. bissettii*, *B. valaisiana*, *B. lusitaniae*, *B. japonica*, *B. tanukii*, *B. turdi*, *B. sinica*, *B. miyamotoi*, *B. mayonii*, *B. spielmanii*, *B. bavariensis*, *B. kurtenbachii*.
- ✓ Cross contamination amplification preventative system (UDG).
- ✓ Fast and highly sensitive results.
- ✓ Results within 45 minutes after viral isolation.

GeneMAP™ Borrelia Detection Kit is designed specifically for pathogen detection with routine Multiplex RT-qPCR. It is easy to use, cost efficient and compatible with many Real-time PCR instruments.

Contents	Volume
2X Master Mix with UDG	500 µL
4X Borrelia PPM	250 µL
Borrelia PC	50 µL