

CE-IVD

TaqPath Menu GeneProof Borrelia PCR Kit

Molecular diagnostic for *Borrelia* spp.,
a vector-borne pathogen

Broad range of reliable and simple PCR-based testing to help diagnosis

The CE-marked Applied Biosystems™ TaqPath™ Menu | GeneProof™ Borrelia PCR Kit is designed for detection of clinically important *Borrelia* species from the *Borrelia burgdorferi* sensu lato group causing Lyme disease and for detection of *Borrelia miyamotoi*, which is one of the causes of tick-borne relapsing fever.

The TaqPath Menu *Borrelia* spp. PCR kit features:



High sensitivity

- Secured by targeting the multicopy sequence of the 16S rRNA gene
- Up to 100% diagnostic sensitivity



Easy-to-use concept

- Single tube ready-to-use Master Mix contains all components for PCR amplification
- No additional pipetting of PCR reagents is necessary



Contamination reduction

- Master Mix contains uracil-DNA glycosylase (UNG) and dUTPs reducing carryover contamination



High specificity

- Detects 15 *Borrelia burgdorferi* sensu lato strains worldwide, including *B. burgdorferi* sensu stricto
- Detects *B. miyamotoi*



Compatible with a wide range of real-time PCR devices

Product details

Technology	Qualitative real-time PCR
Target sequence	Gene encoding 16S rRNA
Sample type	Cerebrospinal fluid (CSF), plasma, serum, tick, urine, whole blood (EDTA)
Analytical specificity	<i>Borrelia burgdorferi</i> sensu stricto, <i>B. garinii</i> , <i>B. afzelii</i> , <i>B. andersonii</i> , <i>B. bissettii</i> , <i>B. valaisiana</i> , <i>B. lusitaniae</i> , <i>B. japonica</i> , <i>B. tanukii</i> , <i>B. turdi</i> , <i>B. sinica</i> , <i>B. mayonii</i> , <i>B. spielmanii</i> , <i>B. bavariensis</i> , <i>B. kurtenbachii</i> , <i>B. miyamotoi</i> (Asian genotype), 100%
Analytical sensitivity (LoD)	0.568 cp/μL (on Amplirun <i>Borrelia burgdorferi</i> DNA control, Vircell)
Diagnostic specificity	98.15% (CI _{95%} : 88.82%–99.90%)
Diagnostic sensitivity	100.00% (CI _{95%} : 96.93%–100.00%)
Extraction/inhibition control	PCR inhibition and DNA extraction efficiency control by internal control
Instruments	Applied Biosystems™ 7300 and 7500 Real-Time PCR Systems Applied Biosystems™ QuantStudio™ 3 and QuantStudio™ 5 Real-Time PCR Systems croBEE Real-Time PCR System AMPLilab Real-Time PCR System Aria Mx Real-Time PCR System BioQuant-96 system CFX/CFX96/Dx Real-Time PCR Detection System Gentier 96E/96R Real-Time PCR System LightCycler 2.0/480 system LineGene 9600/9600 Plus system Mic qPCR Cyclor Rotor-Gene 3000/6000/Q system SLAN Real-Time PCR System StepOne™/StepOne Plus™ Real-Time PCR System
Validated extraction methods	Refer to the Instructions for Use (IFU)
Detection channel	FAM, HEX/JOE/VIC
External quality assessment	Regularly tested in QCMD and Instand e.V. External Quality Assessment Panels

Ordering information

Description	Quantity	Cat. No.
TaqPath Menu GeneProof <i>Borrelia</i> PCR Kit	100 reactions	A58438

Rely on a comprehensive portfolio of kits to help meet your lab’s clinical testing needs for the following neuroinfection-causing pathogens:

- Varicella-zoster virus (VZV)
- JC virus (JCV)
- BK virus (BKV)
- Enterovirus
- Herpes simplex virus (HSV-1/2)



Learn more at thermofisher.com/vector-borne-taqpath-menu



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