



GeneProof

GeneProof *Borrelia burgdorferi* PCR Kit



HIGH SENSITIVITY

- Secured by targeting the multicopy sequence of the 16S rRNA gene

WIDE RANGE OF VALIDATED CLINICAL MATERIALS

- Validated specimen: plasma, serum, whole blood, CSF, urine and tick

HIGH SPECIFICITY

- Detection of all *Borrelia burgdorferi* sensu lato strains worldwide
- *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*

CONTAMINATION ELIMINATION

- Ready-to-Use Master Mix contains Uracil-DNA glycosylase (UNG) and dUTPs eliminating contamination with amplification products



COMPATIBLE WITH A WIDE RANGE OF REAL-TIME PCR DEVICES



CERTIFIED DIAGNOSTIC TEST



GeneProof Borrelia burgdorferi PCR Kit

+ GeneProof Borrelia burgdorferi PCR Kit
 + GeneProof Enterovirus PCR Kit
 + GeneProof BK/JC Virus (BK/JC) PCR Kit

+ GeneProof Herpes Simplex Virus 1 (HSV-1) PCR Kit
 + GeneProof Herpes Simplex Virus 2 (HSV-2) PCR Kit

+ GeneProof Herpes Simplex Virus (HSV-1/2) PCR Kit
 + GeneProof Varicella-Zoster Virus (VZV) PCR Kit

TECHNOLOGY	real-time PCR
TYPE OF ANALYSIS	qualitative
TARGET SEQUENCE	the gene sequence encoding 16S rRNA
ANALYTICAL SPECIFICITY	<i>B. burgdorferi sensu stricto</i> , <i>B. garinii</i> , <i>B. afzelii</i> , <i>B. andersonii</i> , <i>B. bissettii</i> , <i>B. valaisiana</i> , <i>B. lusitanae</i> , <i>B. japonica</i> , <i>B. tanukii</i> , <i>B. turdi</i> , <i>B. sinica</i> , <i>B. miyamotoi</i> , <i>B. mayonii</i> , <i>B. spielmanii</i> , <i>B. bavariensis</i> , <i>B. kurtenbachii</i> , 100 %
ANALYTICAL SENSITIVITY (LOD)	reaches up to 0.568 cp/μl with the probability of 95 % (on Amplirun ⁺ Borrelia burgdorferi DNA control, Vircell)
EXTRACTION/INHIBITION CONTROL	PCR inhibition and DNA extraction efficiency control (ISEX version)
VALIDATED SPECIMEN	CSF, plasma, serum, tick, urine, whole blood
STORAGE	-20 ± 5 °C
VALIDATED EXTRACTION METHODS	croBEE NA16 Nucleic Acid Extraction System GeneProof PathogenFree DNA Isolation Kit
INSTRUMENTS	croBEE Real-Time PCR System* Applied Biosystems 7300 / 7500 Real-Time PCR System AriaMx Real-Time PCR System CFX Connect™ / CFX96™ / Dx Real-Time PCR Detection System LightCycler [®] 2.0 / 480 LineGene 9600 / 9600 Plus Rotor-Gene 3000 / 6000 / Q SLAN [®] Real-Time PCR System
REQUIRED DETECTION CHANNELS	FAM, HEX
EXTERNAL QUALITY ASSESSMENT	Regularly tested by QCMD and Instand e.V. External Quality Assessment Panels - results at www.geneproof.com
REGULATORY STATUS	CE IVD

*Validated instruments

PRODUCT NAME	TECHNOLOGY	ORDER NO.		
		25 REACTIONS	50 REACTIONS	100 REACTIONS
GeneProof Borrelia burgdorferi PCR Kit	real-time PCR	BB /ISEX/025	BB /ISEX/050	BB /ISEX/100