

CE-IVD

# TaqPath Menu

## GeneProof BK Virus (BKV) PCR Kit

### Molecular diagnostic for immunocompromised and transplanted people

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

Immunosuppressed and immunocompromised people, including solid organ and hematopoietic stem cell and tissue transplant recipients, are at elevated risk of complications from infectious diseases. Such people require prompt diagnosis and frequent viral load monitoring to guide prophylaxis treatment and care. Clinical testing laboratories require a comprehensive testing menu that facilitates accurate and timely results for pathogens

commonly associated with these patients. The Applied Biosystems™ TaqPath™ Menu | GeneProof™ transplant portfolio supports the testing needs of transplant centers with CE-marked, reliable assays to detect infectious diseases and which are specifically designed to address the common pathogens that put immunocompromised and transplanted patient groups at risk.

#### Applied Biosystems™ TaqPath™ Menu | GeneProof™ BK Virus (BKV) PCR Kit features:



##### WHO standard-based quantification

- Precise and fully traceable quantification according to 1st World Health Organization (WHO) International Standard NIBSC BKV 14/212
- Enables reliable viral load monitoring



##### 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



##### Simple laboratory workflow

- Easily combinable with other PCR kits from the TaqPath Menu | GeneProof transplant portfolio in one workflow



##### Compatible with a wide range of qPCR devices

**Product details for the TaqPath Menu | GeneProof BKV PCR Kit**

Technology	Qualitative and quantitative qPCR			
Target sequence	T-Ag gene encoding large tumor antigen			
Sample type	Cerebrospinal fluid (CSF), plasma, urine, whole blood			
Analytical specificity	BKV, 100%			
Analytical sensitivity (LoD)	Sample processing	CSF	Plasma	Whole blood
	GeneProof PathogenFree DNA Isolation Kit	240.9 IU/mL	297.0 IU/mL	251.8 IU/mL
	croBEE 201A Nucleic Acid Extraction Kit	532.1 IU/mL	644.7 IU/mL	908.6 IU/mL
Diagnostic specificity	100.00% (CI <sub>95%</sub> : 86.27%–100.00%)			
Diagnostic sensitivity	96.30% (CI <sub>95%</sub> : 79.11%–99.81%)			
Extraction/inhibition control	PCR inhibition and DNA extraction efficiency control by internal control			
Linear range	10 <sup>10</sup> –10 <sup>3</sup> IU/mL with precision of ± 0.5 logarithmic units using manual or automatic extraction from plasma, CSF, and whole blood (1 IU = 1 cp)			
Instruments	Applied Biosystems™ 7300 and 7500 Real-Time PCR Systems croBEE Real-Time PCR System AriaMx Real-Time PCR System CFX connect/CFX96/Dx Real-Time PCR Detection System LineGene 9600 Plus Rotor-Gene 3000/Q SLAN Real-Time PCR System AMPLilab Real-Time PCR System BioQuant-96 Real-Time PCR System Gentier 96E/96R Real-Time PCR System Mic qPCR Cyclor			
Validated extraction methods	Refer to the instructions for use (IFU)			
Detection channel	FAM, HEX/JOE			
External quality assessment	Regularly tested in QCMD and Instand e.V. External Quality Assessment Panels			

**Ordering information**

Description	Quantity	Cat. No.
TaqPath Menu   GeneProof BKV PCR Kit	100 reactions	A58430

**Rely on a comprehensive portfolio of Applied Biosystems™ TaqPath™ Menu | GeneProof™ Kits to help meet your lab's clinical testing needs**

- TaqPath Menu | GeneProof Cytomegalovirus (CMV) PCR Kit
- TaqPath Menu | GeneProof Epstein-Barr Virus (EBV) PCR Kit
- TaqPath Menu | GeneProof BK/JC Virus (BK/JC) PCR Kit
- TaqPath Menu | GeneProof Varicella-Zoster Virus (VZV) PCR Kit
- TaqPath Menu | GeneProof Human Herpesvirus 6/7 (HHV-6/7) PCR Kit
- TaqPath Menu | GeneProof Human Herpesvirus 8 (HHV-8) PCR Kit
- TaqPath Menu | GeneProof Parvovirus B19 PCR Kit
- TaqPath Menu | GeneProof JC Virus (JCV) PCR Kit
- TaqPath Menu | GeneProof Aspergillus PCR Kit



Learn more at [thermofisher.com/transplant-taqpath-menu](https://thermofisher.com/transplant-taqpath-menu)

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