

CE-IVD

# TaqPath Menu GeneProof BK/JC Virus (BK/JC) PCR Kit

## Molecular diagnostic for immunocompromised and transplanted people

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

The CE-marked Applied Biosystems™ TaqPath™ Menu | GeneProof™ portfolio for infections of immunocompromised and transplant patients is a comprehensive and reliable collection of molecular diagnostic kits that enable laboratories to process samples and identify potentially problematic pathogens efficiently for immunocompromised or transplant patients.

### The real-time PCR assays included in this portfolio could be used to:

- Aid in the diagnosis and management of transplant patients
- Measure viral load as a treatment indicator
- Monitor a patient's response to therapy

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



#### More information from one sample

- Detects BK and JC viruses, and distinguishes one from the other, in a single reaction tube
- Enables qualitative and quantitative detection of both viruses



#### 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 portfolio for infections of immunocompromised and transplant patients in one workflow



#### Compatible with a wide range of real-time PCR devices

## Product details for the TaqPath Menu | GeneProof BK/JC Virus (BK/JC) PCR Kit

<b>Technology</b>	Qualitative and quantitative real-time PCR		
<b>Target sequence</b>	T-Ag gene encoding large tumor antigen (BKV) and t-Ag gene encoding small tumor antigen (JCV)		
<b>Sample type</b>	Cerebrospinal fluid (CSF), plasma, urine, whole blood		
<b>Analytical specificity</b>	BK virus (BKV), 100% JC virus (JCV), 100%		
<b>Analytical sensitivity (LoD)</b>	<b>Sample processing</b>	<b>BKV</b>	<b>JCV</b>
	GeneProof PathogenFree DNA Isolation Kit	218.73 IU/mL	22.89 IU/mL
	croBEE 201A Nucleic Acid Extraction Kit	522.70 IU/mL	56.56 IU/mL
<b>Diagnostic specificity</b>	100.00% (BKV, $CI_{95\%}$ : 67.85%–100.00%; JCV, $CI_{95\%}$ : 95.45%–100.00%)		
<b>Diagnostic sensitivity</b>	100.00% (BKV, $CI_{95\%}$ : 84.50%–100.00%; JCV, $CI_{95\%}$ : 98.65%–100.00%)		
<b>Extraction/inhibition control</b>	PCR inhibition and DNA extraction efficiency control by internal control		
<b>Linear range</b>	<b>Extraction method</b>	<b>Precision</b>	<b>BKV</b>
	GeneProof PathogenFree DNA Isolation Kit	± 0.5 log	(10 <sup>10</sup> –10 <sup>2</sup> ) IU/mL
	croBEE 201A Nucleic Acid Extraction Kit	± 0.5 log	(10 <sup>10</sup> –10 <sup>2</sup> ) IU/mL
<b>Instruments</b>	Applied Biosystems™ QuantStudio™ 5 Real-Time PCR System Applied Biosystems™ 7500 Real-Time PCR System croBEE Real-Time PCR System AMPLilab Real-Time PCR System AriaMx Real-Time PCR System CFX96/Dx Real-Time PCR Detection System Gentier 96E/96R Real-Time PCR System LightCycler 480 LineGene 9600/9600 Plus Rotor-Gene 3000/Q SLAN Real-Time PCR System		
<b>Validated extraction methods</b>	Refer to the instructions for use (IFU)		
<b>Detection channel</b>	FAM, HEX/JOE/VIC, Cy5		
<b>External quality assessment</b>	Regularly tested in QCMD and Instand e.V. External Quality Assessment Panels		

## Ordering information

Description	Quantity	Cat. No.
TaqPath Menu   GeneProof BK/JC Virus (BK/JC) PCR Kit	100 reactions	A58431

## 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 Virus (BKV) 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
- TaqPath Menu | GeneProof Adenovirus PCR Kit
- TaqPath Menu | GeneProof Herpes Simplex Virus (HSV-1/2) PCR Kit



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

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**For In Vitro Diagnostic Use. Intended use and regulatory statements of products vary. For specific intended use and regulatory statements, please refer to the Instructions for Use (IFU). Product availability by country varies. For product availability in your country, check the associated product webpages. TaqPath Menu | GeneProof assays are manufactured by GeneProof and distributed by Thermo Fisher Scientific.** © 2023 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified. GeneProof and croBEE are the property of GeneProof. CFX96 and CFX DX are the property of BioRad. SLAN is the property of Sansure Biotech. AriaMX is the property of Agilent. Rotor-Gene is the property of Qiagen. Cy5 is the property of GE Healthcare UK Ltd. **COL120706 0623**