

CE-IVD

# TaqPath Menu GeneProof JC Virus (JCV) 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 delivers 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 that detect infectious diseases and are specifically designed to address the common pathogens that put immunocompromised and transplanted patient groups at risk.

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



#### WHO standard-based quantification

- Precise and fully traceable quantification according to 1st WHO International Standard NIBSC JCV 14/114



#### 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 real-time PCR devices

**Product details**

<b>Technology</b>	Qualitative and quantitative real-time PCR			
<b>Target sequence</b>	<i>t-Ag</i> gene encoding large tumor antigen			
<b>Sample type</b>	Cerebrospinal fluid (CSF), plasma, urine, whole blood			
<b>Analytical specificity</b>	JC virus (JCV), 100%			
<b>Analytical sensitivity (LoD)</b>	<b>Sample processing</b>	<b>CSF</b>	<b>Plasma</b>	<b>Whole blood</b>
	GeneProof PathogenFree DNA Isolation Kit	8.4 IU/mL	12.6 IU/mL	34.4 IU/mL
	croBEE 201A Nucleic Acid Extraction Kit	19.7 IU/mL	40 IU/mL	22.3 IU/mL
<b>Diagnostic specificity</b>	97.50% (CI <sub>95%</sub> : 85.27%–99.87%)			
<b>Diagnostic sensitivity</b>	100.00% (CI <sub>95%</sub> : 84.5%–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>CSF</b>	<b>Plasma</b>
	GeneProof PathogenFree DNA Isolation Kit	± 0.5 log	10 <sup>10</sup> –10 <sup>2</sup> IU/mL	10 <sup>10</sup> –10 <sup>2</sup> IU/mL
croBEE 201A Nucleic Acid Extraction Kit	10 <sup>10</sup> –10 <sup>2.5</sup> IU/mL			
<b>Instruments</b>	croBEE Real-Time PCR System		CFX Connect/CFX96/Dx Real-Time PCR Detection Systems	
	AMPLilab Real-Time PCR System		Gentier 96E/96R Real-Time PCR Systems	
	Applied Biosystems™ 7300 and 7500 Real-Time PCR Systems		LightCycler 480 System	
	Applied Biosystems™ QuantStudio™ 3 and QuantStudio™ 5 Real-Time PCR Systems		LineGene 9600 Plus System	
	AriaMx Real-Time PCR System		Mic qPCR Cycler	
	BioQuant-96 Real-Time PCR System		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			
<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 JC Virus (JCV) PCR Kit	100 reactions	A58436

**Rely on a comprehensive portfolio of kits to help meet your lab's clinical testing needs for:**

- Cytomegalovirus (CMV)
- Epstein-barr virus (EBV)
- BK virus (BKV)
- Varicella-zoster virus (VZV)
- Human herpesvirus 6/7 (HHV-6/7)
- Human herpesvirus 8 (HHV-8)
- Parvovirus B19
- BK/JC viruses (BKV/JCV)
- *Aspergillus*
- Adenovirus
- Herpes simplex virus (HSV-1/2)


 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. AMPLilab is the property of Adaltis. Mic qPCR is the property of bms. BioQuant is the property of Biosan. LineGene is the property of appolon biotech. LightCycler is the property of Roche. Gentier is the property of Tianlong Technology.

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