

CE-IVD

TaqPath Menu

GeneProof Varicella-Zoster Virus (VZV) 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™ Varicella-Zoster Virus (VZV) PCR Kit features:



Excellent performance

- High diagnostic sensitivity (100.00%) and diagnostic specificity (97.44%)
- Quantification of viral load provides additional information for management of VZV infection



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

Technology	Qualitative and quantitative real-time PCR				
Target sequence	ORF62 gene				
Sample type	Cerebrospinal fluid (CSF), plasma, serum, whole blood (EDTA), vesicular swab				
Analytical specificity	Varicella-zoster virus (VZV), 100%				
Analytical sensitivity (LoD)	Sample processing	Plasma	Serum	Whole blood	CSF
	GeneProof PathogenFree DNA Isolation Kit	113.1 cp/mL	66.1 cp/mL	119.9 cp/mL	66.4 cp/mL
	croBEE 201A Nucleic Acid Extraction Kit	218.8 cp/mL	166.5 cp/mL	170.4 cp/mL	175.1 cp/mL
Diagnostic specificity	97.44% (CI _{95%} : 84.92%–99.87%)				
Diagnostic sensitivity	100.00% (CI _{95%} : 97.52%–100.00%)				
Extraction/inhibition control	PCR inhibition and DNA extraction efficiency control by internal control				
Linear range	10 ¹⁰ –10 ^{2.5} cp/mL with precision of ± 0.8 log				
Instruments	Applied Biosystems™ QuantStudio™ 3 and QuantStudio™ 5 Real-Time PCR Systems Applied Biosystems™ 7300 and 7500 Real-Time PCR Systems croBEE Real-Time PCR System AMPLilab Real-Time PCR System AriaMx Real-Time PCR System BioQuant-96 Real-Time PCR System CFX Connect/CFX96/Dx Real-Time PCR Detection System		Gentier 96E/96R Real-Time PCR System LightCycler 480 System LineGene 9600 Plus System Mic qPCR Cyclor Rotor-Gene 3000/6000/Q StepOne™/StepOnePlus™ Real-Time PCR System SLAN 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 Varicella-Zoster Virus (VZV) PCR Kit	100 reactions	A58432

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)
- Human herpesvirus 6/7 (HHV-6/7)
- Human herpesvirus 8 (HHV-8)
- Parvovirus B19
- JC virus (JCV)
- BK/JC viruses (BKV/JCV)
- *Aspergillus*
- Adenovirus
- Herpes simplex virus (HSV-1/2)


 Learn more at 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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