



Neuroinfections



Immunocompromised
Transplanted

GeneProof

GeneProof Varicella-Zoster Virus (VZV) PCR Kit



EXCELLENT EQA PANEL RESULTS

- The highest possible diagnostic sensitivity (100.00%) and diagnostic specificity (96,97%) confirmed by analysis of EQA panel reports from 2009 to present (including infrequently detected rare samples with very low concentrations)

UNIVERSAL PCR PROFILE

- Easily combinable with other PCR kits from the Immunocompromised / Transplanted and Neuroinfections groups
- Simplifies laboratory workflow

QUALITATIVE AND QUANTITATIVE DETECTION

- Quantification of viral load provides additional information for management of VZV infection

CONTAMINATION ELIMINATION

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



COMPATIBLE WITH A WIDE
RANGE OF REAL-TIME PCR
DEVICES



CERTIFIED
DIAGNOSTIC TEST

www.geneproof.com

GUARANTEED CONTROL OVER THE COMPLETE PROCESS
OF DEVELOPMENT, MANUFACTURING AND DISTRIBUTION
OF ALL THE OFFERED GENEPROOF PRODUCTS



GeneProof Varicella-Zoster Virus (VZV) PCR Kit

- + Human Herpesvirus 6/7 (HHV-6/7) PCR Kit
- + Herpes Simplex Virus 1 (HSV-1) PCR Kit
- + Aspergillus PCR Kit
- + Cytomegalovirus (CMV) PCR Kit
- + Herpes Simplex Virus 2 (HSV-2) PCR Kit
- + BK/JC Virus (BK/JC) PCR Kit
- + Epstein-Barr Virus (EBV) PCR Kit
- + Herpes Simplex Virus (HSV-1/2) PCR Kit
- + Parvovirus B19 PCR Kit
- + Varicella Zoster Virus (VZV) PCR Kit
- + Human Herpesvirus 8 (HHV-8) PCR Kit

TECHNOLOGY	real-time PCR
TYPE OF ANALYSIS	qualitative and quantitative
TARGET SEQUENCE	specific conservative DNA sequence of the single-copy gene <i>ORF62</i>
ANALYTICAL SPECIFICITY	Varicella-zoster virus (VZV), 100 %
ANALYTICAL SENSITIVITY (LOD)	reaches up to 113.05 cp/ml with the probability of 95% (on AcroMetrix™ VZV High Plasma Control using manual extraction GeneProof PathogenFree DNA Isolation Kit)
DIAGNOSTIC SPECIFICITY	96.97 % (CI _{95%} : 82.49 % - 99.84 %)
DIAGNOSTIC SENSITIVITY	100 % (CI _{95%} : 96.50 % - 100 %)
LINEAR RANGE	10 ¹⁰ - 113.05 cp/ml with precision of ± 0.8 log
DYNAMIC RANGE	10 ¹⁰ - 113.05 cp/ml
REPORTING UNITS	cp/μl
CONVERSION FACTOR	not applicable
METROLOGICAL TRACEABILITY	AcroMetrix™ VZV High Plasma Control
EXTRACTION/INHIBITION CONTROL	PCR inhibition and DNA extraction efficiency control (ISEX version)
VALIDATED SPECIMEN	whole blood, plasma, serum, CSF
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 Mic qPCR Cyclers QuantStudio™ 3 / 5 Real-Time PCR System Rotor-Gene 3000 / Q SLAN® Real-Time PCR System StepOne™ / StepOnePlus™ 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 Varicella-Zoster Virus (VZV) PCR Kit	real-time PCR	VZV/ISEX/025	VZV/ISEX/050	VZV/ISEX/100