



Sexually
Transmitted
Infections



Neuroinfections



Immunocompromised
Transplanted

GeneProof

GeneProof Herpes Simplex Virus (HSV-1/2) PCR Kit



MORE INFORMATION WITH LESS SAMPLES

- Detects and distinguishes *Herpes Simplex Virus 1* and *Herpes Simplex Virus 2* in a single reaction tube

UNIVERSAL PCR PROFILE

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

EXCELLENT EQA PANEL RESULTS

- The highest possible diagnostic sensitivity (100.00%) and diagnostic specificity (99.25%) confirmed by analysis of EQA panel reports from 2009 to present (including infrequently detected rare samples with very low concentrations)

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 Herpes Simplex Virus (HSV-1/2) 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 a single-copy gene encoding glycoprotein B (gB)
ANALYTICAL SPECIFICITY	Herpes simplex virus type 1 (HSV-1), 100 % Herpes simplex virus type 2 (HSV-2), 100 %
ANALYTICAL SENSITIVITY	for HSV-1 reaches up to 122.124 cp/ml with the probability of 95 % (on AcroMetrix™ HSV-1 Plasma Panel using manual extraction GeneProof PathogenFree DNA Isolation Kit) for HSV-2 reaches up to 194.49 cp/ml with the probability of 95 % (on AcroMetrix™ HSV-2 Plasma Panel using manual extraction GeneProof PathogenFree DNA Isolation Kit)
DIAGNOSTIC SPECIFICITY	99.24 % (CI _{95%} : 95.23 % - 99.96 %)
DIAGNOSTIC SENSITIVITY	100 % (CI _{95%} : 97.08 % - 100 %)
LINEAR RANGE	10 ¹⁰ - 10 ^{2.5} cp/ml with precision of ± 0.5 log
DYNAMIC RANGE	HSV-1: 10 ¹⁰ - 122.124 cp/ml HSV-2: 10 ¹⁰ - 194.49 cp/ml
REPORTING UNITS	cp/μl
CONVERSION FACTOR	not applicable
METROLOGICAL TRACEABILITY	AcroMetrix™ HSV-1 Plasma Panel (AcroMetrix HSV-1) AcroMetrix™ HSV-2 Plasma Panel (AcroMetrix HSV-2)
EXTRACTION/INHIBITION CONTROL	PCR inhibition and DNA extraction efficiency control (ISEX version)
VALIDATED SPECIMEN	whole blood, plasma, urine, 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 7500 Real-Time PCR System AriaMx Real-Time PCR System CFX96™ / Dx Real-Time PCR Detection System LightCycler® 480 LineGene 9600 / 9600 Plus Mic qPCR Cyclers QuantStudio™ 5 Real-Time PCR System Rotor-Gene 3000 / Q SLAN® Real-Time PCR System
REQUIRED DETECTION CHANNELS	FAM, HEX, Cy5
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 Herpes Simplex Virus (HSV-1/2) PCR Kit	real-time PCR	HSV/ISEX/025	HSV/ISEX/050	HSV/ISEX/100