

CE-IVD

# TaqPath Menu GeneProof Epstein-Barr Virus (EBV) 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 to detect infectious diseases and which are specifically designed to address the common pathogens that put immunocompromised and transplanted patient groups at risk.

### Applied Biosystems™ TaqPath™ Menu | GeneProof™ Epstein-Barr Virus (EBV) PCR Kit features:



#### WHO standard-based quantification

- Precise and fully traceable quantification according to 1st World Health Organization (WHO) International Standard EBV NIBSC 09/260
- Enables reliable viral load monitoring



#### Easy-to-use concept

- Singletube 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 qPCR devices

## Product details for the TaqPath Menu | GeneProof EBV PCR Kit

|                               |   |             |             |             |             |
|-------------------------------|---|-------------|-------------|-------------|-------------|
| Technology                    | Qualitative and quantitative qPCR   |             |             |             |             |
| Target sequence               | Gen <i>EBNA1</i>  |             |             |             |             |
| Sample type                   | Cerebrospinal fluid (CSF), plasma, whole blood (EDTA), bronchoalveolar lavage (BAL)   |             |             |             |             |
| Analytical specificity        | EBV, 100%   |             |             |             |             |
| Analytical sensitivity (LoD)  | Sample processing   | Plasma      | Whole blood | CSF         | BAL         |
|                               | GeneProof PathogenFree DNA Isolation Kit  | 196.1 IU/mL | 129.2 IU/mL | 110.8 IU/mL | 206.0 UI/ml |
|                               | croBEE 201A Nucleic Acid Extraction Kit   | 289.5 IU/mL | 250.2 IU/mL | 586.1 IU/mL | 138.1 UI/ml |
| Diagnostic specificity        | 94.19% (CI <sub>95%</sub> : 86.35%–97.84%)  |             |             |             |             |
| Diagnostic sensitivity        | 99.10% (CI <sub>95%</sub> : 96.45%–99.84%)  |             |             |             |             |
| Extraction/inhibition control | PCR inhibition and DNA extraction efficiency control by internal standard   |             |             |             |             |
| Linear range                  | 10 <sup>10</sup> –LOD cp/mL LOD varying according to the extraction method and material used (1 IU = 1 cp)  |             |             |             |             |
| Instruments                   | Applied Biosystems™ 7300 and 7500 Real-Time PCR Systems<br>Applied Biosystems™ QuantStudio™ 3 and QuantStudio™ 5 Real-Time PCR Systems<br>croBEE Real-Time PCR System<br>AriaMx Real-Time PCR System<br>CFX connect/CFX96/Dx Real-Time PCR Detection System<br>LineGene 9600/9600 Plus System<br>SLAN Real-Time PCR System<br>AMPLilab Real-Time PCR System<br>BioQuant-96 Real-Time PCR System<br>LightCycler 2.0/480<br>Mic qPCR Cyclers<br>Rotor-Gene 3000/Q<br>Gentier 96E/96R Real-Time PCR System<br>Montania 4896 Real-Time PCR Instrument |             |             |             |             |
| 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 EBV PCR Kit | 100 reactions | A58429   |

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



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

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