

CE-IVD

Molecular diagnostic for immunocompromised and transplanted people

Broad range of reliable and simple PCR-based testing to help diagnosis

The CE-marked Applied Biosystems™ TaqPath™ Menu transplant portfolio is a comprehensive and reliable collection of molecular diagnostic kits for the detection of pathogens commonly associated with immunocompromised or transplant patients. These PCR-based kits enable laboratories to efficiently process samples and identify potentially problematic pathogens, allowing timely delivery of accurate results to help diagnose this at-risk patient group.

The real-time PCR assays included in this portfolio could be used to:

- Aid in the diagnosis and management of transplant patients
- Measure viral load as a treatment indicator
- Monitor a patient's response to therapy

Rely on a comprehensive portfolio of molecular diagnostic kits to help meet your lab's clinical testing needs



Reliable performance

- High diagnostic sensitivity and specificity
- Precise and fully traceable quantification



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 transplant portfolio in one workflow



Compatible with a wide range of qPCR devices

Differential diagnostic tests

Qualitative and quantitative real-time PCR for cytomegalovirus (CMV)	
WHO standard–based quantification	Precise and fully traceable quantification according to 1st WHO International Standard NIBSC 09/162
Target sequence	Specific conservative DNA sequence of a single copy gene encoding the 4 IE antigen
Sample type	Plasma, serum, urine, whole blood (EDTA)

Qualitative and quantitative real-time PCR for Epstein-Barr virus (EBV)	
WHO standard–based quantification	<ul style="list-style-type: none"> Precise and fully traceable quantification according to 1st WHO International Standard NIBSC 09/260 Enables reliable viral load monitoring
Target sequence	<i>EBNA1</i> gene
Sample type	Cerebrospinal fluid (CSF), plasma, whole blood (EDTA), bronchoalveolar lavage (BAL)

Qualitative and quantitative real-time PCR for BK and JC viruses (BKV and JCV)	
WHO standard–based quantification	<ul style="list-style-type: none"> Precise and fully traceable quantification according to 1st WHO International Standard NIBSC BK 14/212 and NIBSC JC 14/114 Enables reliable viral load monitoring
Target sequence	<ul style="list-style-type: none"> <i>T-Ag</i> gene encoding large tumor antigen (BKV) <i>T-Ag</i> gene encoding small tumor antigen (JCV)
Sample type	CSF, plasma, urine, whole blood (EDTA)

Qualitative and quantitative real-time PCR for varicella-zoster virus (VZV)	
Excellent performance	<ul style="list-style-type: none"> High diagnostic sensitivity (100.00%) and diagnostic specificity (97.44%) Quantification of viral load provides additional information for management of VZV infection
Target sequence	ORF62
Sample type	CSF, plasma, serum, whole blood (EDTA), vesicular swab

Qualitative and quantitative real-time PCR for human herpesvirus 6/7 (HHV-6/7)	
More information from one sample	<ul style="list-style-type: none"> Detects HHV6 and HHV7 in a single reaction Precise quantification of HHV6 and HHV7 in two separate channels Sensitivity was established with WHO-certified strain
Target sequence	<i>U94</i> gene (HHV-6A/B), <i>U57</i> gene (HHV-7)
Sample type	CSF, plasma, whole blood (EDTA), saliva

Qualitative and quantitative real-time PCR for human herpesvirus 8 (HHV-8)	
High performance	<ul style="list-style-type: none"> Dual targeting helps prevent a detection failure caused by the occurrence of mutations Unique possibility to quantify viral load
Target sequence	ORF26, ORF73
Sample type	CSF, plasma, saliva, whole blood (EDTA)

Qualitative and quantitative real-time PCR for parvovirus B19	
WHO standard–based quantification	<ul style="list-style-type: none"> Precise and fully traceable quantification according to WHO International Standard NIBSC 12/208 Enables reliable viral load monitoring
Target sequence	Gene encoding VP1 protein (capsid protein)
Sample type	Plasma, whole blood (EDTA)

Qualitative real-time PCR for *Aspergillus*

High performance	<ul style="list-style-type: none"> Secured by targeting the multicopy sequence of the intergenic spacer ITS2/28S rDNA Enables specific antifungal therapy of resistant aspergillosis
Target sequence	ITS2/28S rDNA region
Sample type	Whole blood, plasma, serum, sputum, CSF, BAL

Qualitative and quantitative real-time PCR for herpes simplex virus (HSV-1/2)

More information from one sample	<ul style="list-style-type: none"> Detects and distinguishes herpes simplex virus 1 and herpes simplex virus 2 in a single reaction tube High diagnostic sensitivity (100.00%) and diagnostic specificity (97.62%)
Target sequence	Gene encoding B glycoprotein (gB)
Sample type	CSF, plasma, serum, urine, swab (genital, vesicular), whole blood (EDTA)

Qualitative and quantitative real-time PCR for adenovirus

High performance	<ul style="list-style-type: none"> Detection of human adenovirus subgroups A–G Suitable for use in both respiratory and gastrointestinal infections
Target sequence	Highly conservative DNA sequence of <i>E2B</i> gene
Sample type	Plasma, stool, swab, urine, whole blood (EDTA), aspirate

Ordering information for the transplant portfolio of Applied Biosystems™ TaqPath™ Menu | GeneProof™ PCR kits

Description	Quantity	Cat. No.
TaqPath Menu GeneProof Cytomegalovirus (CMV) PCR Kit	100 reactions	A58428
TaqPath Menu GeneProof Epstein-Barr Virus (EBV) PCR Kit	100 reactions	A58429
TaqPath Menu GeneProof BK/JC Virus (BK/JC) PCR Kit	100 reactions	A58431
TaqPath Menu GeneProof Varicella-Zoster Virus (VZV) PCR Kit	100 reactions	A58432
TaqPath Menu GeneProof Human Herpesvirus 6/7 (HHV-6/7) PCR Kit (CE-IVD, IVDR)	100 reactions	A58433
TaqPath Menu GeneProof Human Herpesvirus 8 (HHV-8) PCR Kit (CE-IVD, IVDR)	100 reactions	A58434
TaqPath Menu GeneProof Parvovirus B19 PCR Kit	100 reactions	A58435
TaqPath Menu GeneProof JC Virus (JCV) PCR Kit	100 reactions	A58436
TaqPath Menu GeneProof BK Virus (BKV) PCR Kit	100 reactions	A58430
TaqPath Menu GeneProof <i>Aspergillus</i> PCR Kit	100 reactions	A58437
TaqPath Menu GeneProof Herpes Simplex Virus (HSV-1/2) PCR Kit	100 reactions	A58128
TaqPath Menu GeneProof Adenovirus PCR Kit	100 reactions	A58213



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