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**VERSANT
MiPLX
Solution**

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One Solution—More Choice. kPCR PLX Assays

Automate and consolidate your testing for immunocompromised patients.

Challenge: Management of viral infections in immunocompromised patients

Some viruses, such as the human herpesviruses, polyomaviruses, and adenoviruses, are characterized by a primary infection that occurs in a subclinical fashion in early childhood, followed by a lifelong latent infection. At any time following the initial infection, reactivation may occur.

Reactivation of such viruses may be severe and even life-threatening in immunocompromised patients such as bone marrow or solid-organ recipients and those with

AIDS. Early diagnosis of these viral infections is extremely important in the management of these high-risk patients.

The challenge faced by laboratories involved in molecular testing for this clinical situation is that they have to manage multiple assays manually or on different molecular platforms from the same clinical specimen.

Solution: kPCR PLX assays

The VERSANT® kPCR Molecular System and the VERSANT® MiPLX Software Solution provide an automated and consolidated solution for the molecular testing of viruses in immunocompromised patients. With kPCR PLX* assays, you can now use a single molecular platform to automate your CMV, EBV, HSV 1 and 2, VZV, HHV-6, BKV, JCV, adenovirus,

and parvovirus B19 testing while continuing to perform routine assays for HIV, HCV, HBV, and CT/GC. The MiPLX Software Solution enables customizable menu expansion with partner-developed tests on a single automated platform. Take advantage of the automation, consolidation, flexibility, and workflow efficiencies of the VERSANT kPCR Molecular System.

One Solution—More Choice

kPCR PLX assays

Consolidated menu

- Nine new assays* used for transplant and immunocompromised patient management: CMV, EBV, HSV 1 and 2, VZV, HHV-6, BKV, JCV, adenovirus, and parvovirus B19
- VERSANT kPCR* assays for routine viral-load testing: HIV-1, HBV, HCV, and CT/GC
- Broad and expandable molecular assay menu

Flexible solution

- Flexible run size of 1–96 tests per batch
- Automation of other third-party and laboratory-developed assays on one platform
- Extraction of nucleic acids from 21 specimen types
- VERSANT MiPLX Software Solution allows multiple assays per sample and run

Workflow efficiency

- Run up to six kPCR PLX* assays in parallel from one sample
- Same extraction process and workflow for kPCR PLX and VERSANT kPCR assays
- Only two kits required to extract both RNA and DNA from a wide variety of specimen types



kPCR PLX Assay	Usage
CMV	Detection and quantification of cytomegalovirus (CMV)-specific DNA from whole blood and plasma
EBV	Detection and quantification of Epstein-Barr virus (EBV)-specific DNA from plasma
BKV	Detection and quantification of BK virus (BKV)-specific DNA from plasma
JCV	Detection and quantification of JC virus (JCV)-specific DNA from plasma
VZV	Detection and quantification of varicella-zoster virus (VZV)-specific DNA from plasma
HSV 1 and 2	Quantification and differentiation of herpes simplex virus 1- and herpes simplex virus 2-specific DNA in one tube from plasma
HHV-6	Quantification and differentiation of human herpesvirus (HHV) 6A- and 6B-specific DNA from plasma
Adenovirus	Detection and quantification of human adenovirus-specific DNA from plasma
Parvovirus B19	Detection and quantification of parvovirus B19-specific DNA from plasma

*CE marked for IVD use.

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