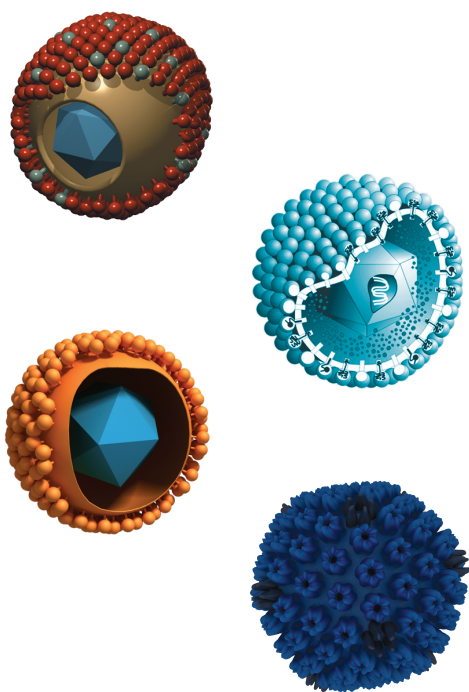


artus[®] Herpes Virus LC-PCR Kits

A Single Cycling Profile for parallel detection of four herpes viruses

artus PCR Kits are molecular detection kits, based on real-time PCR for the rapid and reliable identification of pathogens including the herpes viruses cytomegalovirus, Epstein-Barr virus, herpes simplex virus-1/2, and varizella-zoster virus. Harmonized amplification profiles allow the parallel testing of these four different herpes viruses in a single run on LightCycler[®] Instruments.



Features of artus PCR Kits for herpes virus detection:

- **Harmonized amplification profiles** — parallel detection of herpes viruses in a single run
- **Screening for herpes viruses** — using only one sample purification
- **Fully licensed for PCR** — no additional costs
- **High reliability** — using the Internal Control to verify successful DNA isolation and amplification
- **CE-marked** — full compliance with European IVD Directive 98/79/EC

Simultaneous detection herpes virus DNA using real-time PCR

The four artus LC PCR Kits for the detection of CMV, EBV, HSV-1/2, and VZV use an identical amplification profile. After nucleic acid purification, the analysis of all four herpes viruses can be performed in a single run. The parallel detection of herpes virus DNA from one clinical sample reduces hands-on time and facilitates efficient and rapid routine diagnostics for monitoring immunocompromised patients, e.g., after transplantation.

artus LC PCR Kits are ready-to-use systems which are specifically designed for use on LightCycler Instruments. Each kit includes a reaction mix containing all reagents and enzymes for amplification and detection. In addition, artus PCR Kits provide an Internal Control, which is a second heterologous amplification system to identify possible PCR inhibition and to monitor nucleic acid purification.

Sensitivity and specificity

To ensure highest sensitivity, artus PCR Kits have been optimized to detect low numbers of pathogen specific DNA (Table 1). To ensure highest specificity, validation of the four herpes virus artus LC PCR Kits included various herpes virus related and unrelated pathogens.

Table 1. Limit of Detection (p=0.05)

Herpes viruses	Limit of detection using LightCycler 1.1/1.2/1.5 Instruments (Copies/PCR)
CMV	4.9
EBV	28.9
HSV-1/2	5.0/5.0
VZV	4.0



Parallel Detection of Herpes Viruses by Real-Time PCR

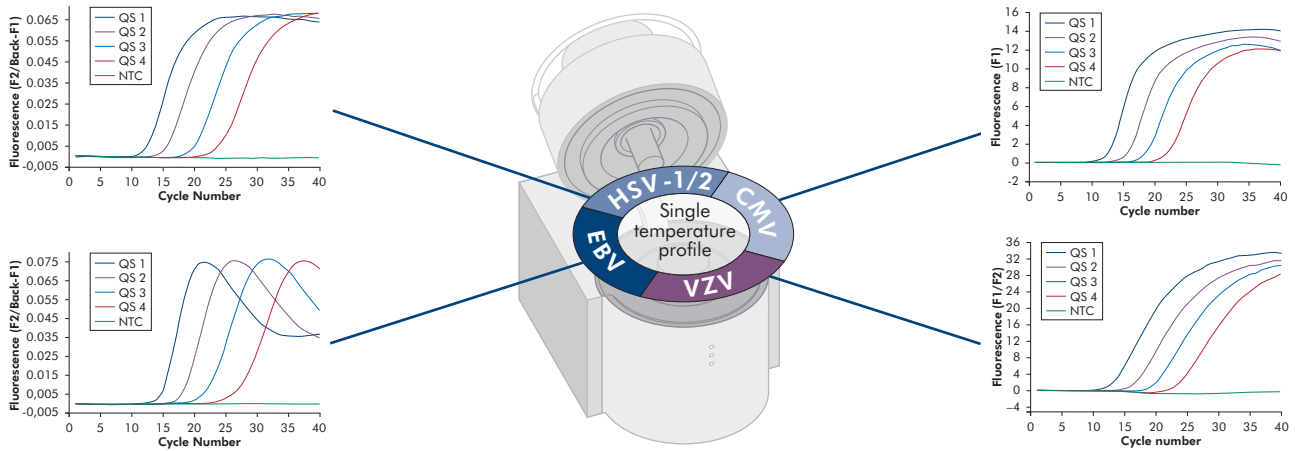
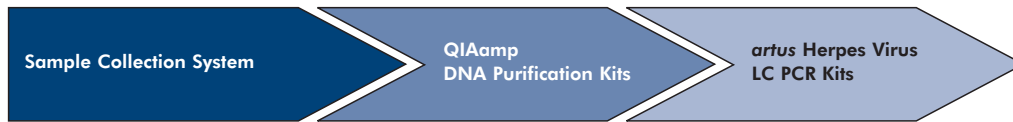


Figure 1 Detection of the Quantitation Standards (QS) shown for the *artus* CMV, EBV, HSV-1/2, and VZV LC PCR Kit on LightCycler 1.1/1.2/1.5 Instruments. NTC: non-template control (negative control).

Integrated Systems for Herpes Viruses Detection



Ordering Information*

Product	Contents	Reactions	Cat. no.
For use on the LightCycler 1.1/1.2/1.5/2.0 Instruments			
<i>artus</i> CMV LC PCR Kit	Master, Mg-Solution, 4 Quantitation Standards,	24	4503063
	Internal Control, Water (PCR grade)	96	4503065
<i>artus</i> EBV LC PCR Kit	Master, 4 Quantitation Standards,	24	4501063
	Internal Control, Water (PCR grade)	96	4501065
<i>artus</i> HSV-1/2 LC PCR Kit	Master, 8 Quantitation Standards,	24	4500063
	Internal Control, Water (PCR grade)	96	4500065
<i>artus</i> VZV LC PCR Kit	Master, 4 Quantitation Standards,	24	4502063
	Internal Control, Water (PCR grade)	96	4502065

* Kits also available for other platforms

Contact QIAGEN today to discover more about molecular detection technologies!

Trademarks: QIAGEN®, QIAamp®, *artus*®, (QIAGEN Group); LightCycler® Instrument (Roche Group).

The *artus* CMV PCR Kit, the *artus* EBV PCR Kit, the *artus* HSV-1/2 PCR Kit, and the *artus* VZV PCR Kit are CE-marked according to the European IVD Directive 98/79/EC for use in vitro diagnostic procedures. Not available in the USA. Sale in Canada only as RUO: For Research Use Only. The QIAamp DNA purification Kits are intended for general laboratory use. No claim or representation is intended for their use to provide information for the diagnosis, prevention, or treatment of a disease.

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