

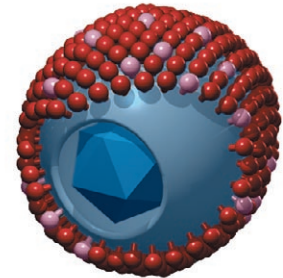
## artus<sup>®</sup> EBV QS-RGQ Kit

### For quantitative detection of Epstein-Barr virus DNA using real-time PCR

The artus EBV QS-RGQ Kit is a ready-to-use molecular detection kit for real-time PCR on Rotor-Gene<sup>®</sup> Q instruments. The kit provides all necessary reagents optimized for reliable EBV DNA detection and quantitation. The kit is part of the QIASymphony<sup>®</sup> RGQ, the complete automated system from sample to pathogen detection.

#### The artus EBV QS-RGQ Kit provides:

- Complete CE-IVD-compliant workflow from sample to detection
- High reliability using the internal control
- Highly sensitive detection of as few as 157 copies/ml
- Broad linear range from 631 copies/ml to  $1 \times 10^7$  copies/ml
- Accurate quantitation using the 4 standards supplied



#### Reliable EBV diagnostics using real-time PCR

The artus EBV QS-RGQ Kit is based on the amplification and simultaneous detection of a specific region of the EBV genome using real-time PCR. The kit provides high levels of specificity, sensitivity, and reproducibility as part of the complete QIASymphony RGQ workflow.

The artus EBV QS-RGQ Kit provides 4 EBV quantitation standards (Figure 1). Use of the standards enables accurate quantitation of viral load. In addition, the artus EBV QS-RGQ Kit contains a second heterologous amplification system to identify possible PCR inhibition. This is detected as an internal control (IC) in a different fluorescence channel from the analytical PCR. The detection limit of the analytical EBV PCR is not reduced.

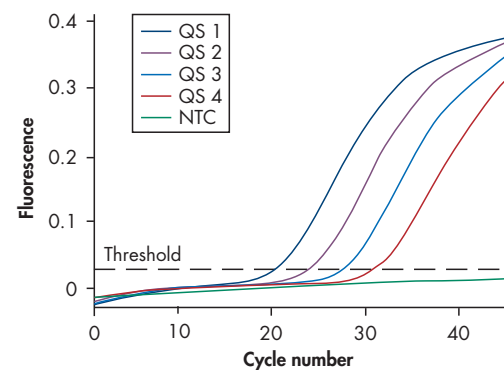


Figure 1. Detection of the quantitation standards (EBV RG QS 1–4) in fluorescence channel Cycling Green. NTC: No template control (negative control).

#### Complete automated system from sample to EBV detection

The QIASymphony RGQ workflow solution for EBV detection comprises the QIASymphony SP for sample preparation, the QIASymphony AS for assay setup, and the artus EBV QS-RGQ Kit on the Rotor-Gene Q. The system enables reliable pathogen detection with a complete CE-IVD-compliant workflow.

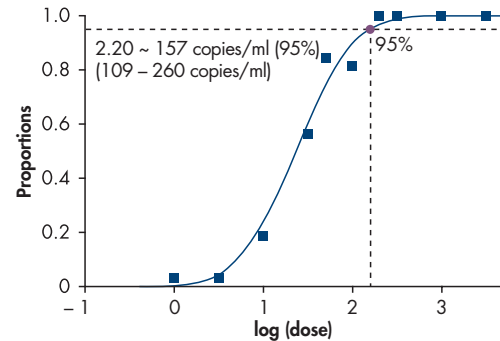


## Highly sensitive and specific detection of EBV DNA

To ensure highest sensitivity, the *artus* EBV QS-RGQ Kit has been optimized to detect low numbers of EBV DNA. The analytical sensitivity of the kit is 157 copies/ml in consideration of the purification and assay setup using the QIAAsymphony RGQ system (Figure 2).

**Table 1. Specifications of the *artus* EBV QS-RGQ Kit**

Validated sample type	EDTA plasma
Analytical sensitivity	157 copies/ml
Amplicon	97 bp region of the EBNA-1 gene



**Figure 2. Highly sensitive detection of EBV DNA.** Probit analysis: EBV (QIAAsymphony RGQ system). Analytical sensitivity of the *artus* EBV QS-RGQ Kit with the QIAAsymphony RGQ system.

### Integrated QIAAsymphony RGQ system for EBV detection



## Ordering Information

Product	Contents	Cat. no.
<i>artus</i> EBV QS-RGQ Kit (24)	For 24 reactions: Master, 4 Quantitation Standards, Internal Control, Water (PCR grade)	4501363
QIAAsymphony DSP Virus/Pathogen Midi Kit (96)	For up to 96 preps of 1000 µl each: Includes 2 reagent cartridges and enzyme racks and accessories	937055
QIAAsymphony RGQ, System	QIAAsymphony SP, QIAAsymphony AS, Rotor-Gene Q 5plex HRM, required accessories and consumables, installation and training	9001850

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual. QIAGEN kit handbooks and user manuals are available at [www.qiagen.com](http://www.qiagen.com) or can be requested from QIAGEN Technical Services or your local distributor.

## Contact QIAGEN today to discover more about molecular detection technologies!

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