



"Ready & Easy-to-use" kits.  
Lyophilised product



Transport and storage at room temperature.  
Shelf-life: 24 months



Validated according to ISO 13485  
and CE IVDR marked

IMMUNOSUPPRESSED  
AND MENINGITIS

EBV  
MONOPLEX

## EBV q

- ▶ The Epstein-Barr virus (EBV) is a very common human herpesvirus; in fact, most people become infected at some point in their lives. Once it enters the body, it remains latent for life and may reactivate without causing symptoms.
- ▶ The most well-known infection caused by EBV is **infectious mononucleosis**, which typically presents with fever, sore throat, swollen cervical lymph nodes, and intense fatigue, as well as, in some cases, enlargement of the spleen or liver. In children, many EBV infections go unnoticed or present with very mild symptoms. However, not all infected individuals develop mononucleosis; infections may be asymptomatic or present with other manifestations such as hepatitis, elevated liver enzymes, or, in rare cases, splenic rupture. In addition, **its clinical relevance also lies in its association with certain tumors and lymphoproliferative disorders**, such as Burkitt lymphoma, immunoblastic lymphomas, some non-Hodgkin lymphomas, nasopharyngeal carcinoma, and certain gastric cancers.
- ▶ The **main route of transmission is saliva**, although it can also be transmitted through other bodily fluids.
- ▶ Diagnosis largely depends on the clinical context. Serological techniques are commonly used to detect specific antibodies. However, **molecular diagnosis by PCR offers key advantages, such as direct detection of viral DNA and the possibility of viral load quantification. This is particularly relevant in immunocompromised or transplant patients, or in those at risk of developing EBV-associated lymphoproliferative disorders, enabling infection follow-up, clinical monitoring, and assessment of treatment response.**

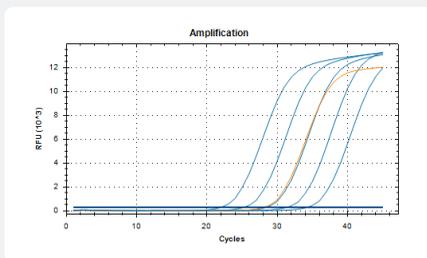
## EBV q

**VIASURE EBV q Real Time PCR Detection Kit** is designed for the specific **detection** and **quantitation** of Epstein-Barr virus viral load in **human EDTA-plasma** and **EDTA-whole blood samples**.

The intended use of this test is to aid in diagnosis and monitoring of EBV infection and treatment management in combination with clinical and epidemiological risk factors. DNA is extracted from human samples, amplified using real time PCR and detected using fluorescent reporter dye probes specific for EBV.

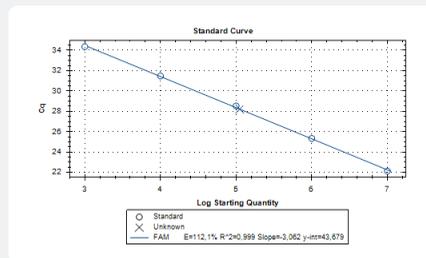
In addition, this kit contains 5 lyophilised vials with **different standardized concentrations of EBV specific DNA for the quantification of EBV viral DNA** in clinical samples, ensuring accurate quantification of viral load in **copies/mL** or **IU/mL** using a conversion factor.

### ► Quantification range



**Figure 1.**

Amplification of *EBV q* Quantitative Standards (blue) and a positive sample of unknown concentration (Orange), run on the CFX Opus 96TM Real-Time PCR Detection System (Bio-Rad).



**Figure 2.**

Standard curve obtained from *EBV q* Quantitative Standards, run on CFX Opus 96TM Real-Time PCR Detection System (Bio-Rad).

### ► References - VIASURE EBV q Real Time PCR Detection kit

6 x 8-well strips, low profile ..... VS-EBV106L  
 12 x 8-well strips, low profile ..... VS-EBV112L  
 96-well plate, low profile ..... VS-EBV113L  
 4 tubes x 24 reactions ..... VS-EBV196T

6 x 8-well strips, high profile..... VS-EBV106H  
 12 x 8-well strips, high profile..... VS-EBV112H  
 96-well plate, high profile..... VS-EBV113H

*For more information and use procedure, read the instructions for use included in this product.*