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EBV (B95-8 Strain) Purified Virus

Catalog Number: 10-115-000

Lot Number: D0903

Product Description: Epstein-Barr Virus type 1 (B95-8 strain) purified from induced B95-8 cell culture supernatant.

Unit Size: 1.0 mg

Fill Volume: 1.0 mL

Suspending Buffer: 10 mM Tris, 150 mM NaCl, 1 mM EDTA, pH 7.5

QUALITY CONTROL DATA

Sterility Tests: Bacteria, yeasts, and fungi were not detected (USP-NF). Mycoplasma was not detected by MycoAlert™ Mycoplasma Detection Kit (Lonza, LT07).

Protein Concentration: 1.2 mg/mL determined by Pierce BCA protein method using BSA standard. Alternative methods for determining protein concentration may give different values.

Virus Particle Count (VPC)
by TEM: 2.3×10^{10} vp/mL

Transformation Assay
(TD₅₀) Titer: 10^{5.7} TD₅₀/ml
The transformation dose 50 (TD₅₀) of purified EBV B95-8, Lot D0903 was performed using adult human elutriated lymphocytes. The lymphocytes were inoculated with various log dilutions of EBV B95-8 in 4 replicates per dilution. Lymphocytes inoculated with growth media were used as mock controls and the cultures were incubated at 37°C for three weeks. Cultures were fed every week with growth media and examined microscopically for clones of transformed proliferative B-lymphoblast cells and the end-point for transformation was read at three weeks. The TD₅₀/mL was calculated using the Karber method. The presence of EBNA-1 antigen (intranuclear) in the transformed cells was confirmed by IFA using mouse monoclonal antibody to EBNA-1.

PRODUCT DETAILS

Shipping and Storage: This product is shipped frozen on dry ice. **Store at -70°C upon receipt.** Avoid multiple freeze-thaw cycles as product degradation may result.

Recommendations: Upon thawing, centrifuge the vial for a few seconds to remove residual droplets from the lid.

Safe Handling
Recommendation: This preparation of EBV is a **BIOHAZARDOUS** material containing **ACTIVE VIRUS** and should be handled in accordance with biosafety guidelines defined in the BMBL, NIH-CDC HHS publication No. (CDC) 21-1112.

References: 1. Tugizov, S., et al. Epstein-barr virus (EBV)-infected monocytes facilitate dissemination of EBV within the oral mucosal epithelium. Journal of Virology 2007; 81: 5484-5496.

**This product is for research use only.
Not for use in diagnostic procedures.**


Quality Control

07-13-2015
Date

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CERTIFICATE OF ANALYSIS