HCMV (AD169 Strain) Purified Viral Lysate

Catalog Number: 10-144-000
Lot Number: E0211
Product Description: Human Cytomegalovirus (AD169 strain) purified virus lysed with Triton X-100.

Cell Line for Propagation: Human foreskin fibroblasts (HFS) Cells
Unit Size: 1.0 mg
Fill Volume: 920 µl
Suspending Buffer: 10 mM Tris, 150 mM NaCl, 1 mM EDTA, pH 7.5, with 0.5% Triton X-100.

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 assay using BSA standard. Alternative methods for determining protein concentration may give different values.

Virus Particle Count by TEM: 3.6 x 10^10 vp/ml (active virus, prior to lysis)
ELISA Testing: 43,382 units/ml using gB MAb
34,007 units/ml using pp28 MAb
25,416 units/ml using pp65 MAb
*A unit is defined as the reciprocal dilution of the purified antigen that gives an absorbance of 0.500 in our test system.

Validation of Inactivation: This lot of viral lysate has been specifically tested for residual infectivity and no infectious virus was detected. The lysate was titrated in HFS cells over a 21-day period with endpoint determination by cytopathic effect (CPE). Purified virus of the same viral stock and mock-infected HFS cells were included as positive and negative controls, respectively, for the assay. The positive control yielded an infectivity titer of 10^5.5 TCID50/ml.

Western Blot Testing: Reactive in Western blot using HCMV pp28, pp65 and gB MAb.

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 products degradation may result.

Recommendations: Upon thawing, if any precipitate of proteinaceous material is observed, pulse vortex until the precipitate is completely resuspended. Use immediately following resuspension.

Safe Handling Recommendation: This inactivated biological preparation should be handled in accordance with biosafety guidelines defined in the BMBL, NIH-CDC HHS Publication No. (CDC) 21-1112.

References:

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

Quality Control

07-13-2015