HCMV (AD169 Strain) Purified Viral Lysate

Catalog Number: 10-144-100
Lot Number: F0801
Product Description: Human Cytomegalovirus (AD169 strain) purified virus lysed with Triton X-100.
Cell Line for Propagation: Human foreskin fibroblasts (HFS) Cells
Unit Size: 100 μg
Fill Volume: 100 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 MycoSensor QPCR Assay Kit (Agilent Technologies, 302106).
Protein Concentration: 1.1 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 10^9 vp/mL (active virus, prior to lysis)
ELISA Testing: 12,112 units*/mL using gB MAb
43,868 units*/mL using pp28 MAb
22,352 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.

ELISA Reactivity of HCMV (AD169 Strain) Purified Viral Lysate Lot No. F0801 with HCMV pp28 (1:500), pp65 (1:200) and gB (1:500) MABs

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 14-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 TCID50/mL.

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

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 12-8-2015 Date