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Vaccinia (Lister Strain) Purified Virus, UV-Inactivated

Catalog Number: 10-253-000

Lot Number: 8C0012

Product Description: Vaccinia Virus (Lister strain) purified virus inactivated by ultraviolet light irradiation.

Cell Line for Propagation: Vero Cells

Unit Size: 1.0 mg

Fill Volume: 0.9 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 assay using BSA standard. Alternative methods for determining protein concentration may give different values.

Virus Particle Count (VPC) by TEM: $5.2 \times 10^{8.67}$ vp/mL (active virus prior to inactivation)

Validation of Virus Inactivation: After treatment with ultraviolet (UV) light irradiation, this lot was specifically tested for residual infectivity and no infectious virus was detected; however, virus retained viral morphology by TEM. The inactivated virus was titrated in Vero cells over a 7-day period with endpoint determination by cytopathic effect (CPE). Purified Virus of the same lot and mock-infected Vero cells were included as positive and negative controls, respectively, for the assay. The positive control yielded an infectivity titer of $10^{8.75}$ TCID₅₀/mL.

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

References: 1. Garza, NL, et al. Capturing the natural diversity of the human antibody response against vaccinia virus. Journal of Virology 2010; 85: 1820-1833.

**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