

CERTIFICATE OF ANALYSIS

Catalog #: 7309 **Lot #** M39169021

Description: HSV-1 Antigen, Concentrate **DOM:** 21 JAN 2021

Source: Grown in Vero Cells
Product manufactured in the United States using only domestic animal materials processed in U.S. facilities.

Format: Liquid **Exp. Date:** 21 JAN 2026

Protein Concentration: Assay: Total Protein by OD260/280nm
Acceptable Results: 2.0 – 3.0 mg/mL Testing Results: 2.76 mg/mL

Activity: ELISA Assay: Reference Lot Number: M32535018
Testing Results: Midpoint Titer (test antigen): 621.482
Acceptable Range: -15% - +50% of Reference Antigen % of Reference: -14.45%
Testing Results: Midpoint Titer (reference antigen): 726.439
Background ELISA Ratio: Acceptable ≤ 2 Test Result: 1
Sensitivity/Specificity Negative Control: Acceptable To Report Test Result: Acceptable
Sensitivity/Specificity Medium Positive Control: Acceptable ≥ 3 Test Result: 12
Sensitivity/Specificity High Positive Control: Acceptable ≥ 8 Test Result: 15

Buffer: 0.1 M Glycine Buffer, pH 9.3 – 9.7

Preservative: None

Applications: Each laboratory should determine an optimum working titer for use in its particular application

Storage: Store at $\leq -65^{\circ}\text{C}$. Avoid multiple freeze/thaw cycles

Inactivation: Product inactivated by UV light and verified by Infectivity Testing.
Acceptable Range: 0 CPE
Testing Results: Pass

Safety Notes: Refer to the appropriate Safety Data Sheet (SDS) for additional information
Since no test method can offer complete assurance that infectious agents are absent, this material should be handled with caution.


Quality Signature

27 February 2021
Date

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY