

CERTIFICATE OF ANALYSIS

Catalog #: 8198 **Lot #** M42708022
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Description: HAV

Viral Stain: pHM175 **DOM:** 18 APR 2022

Source: Grown in FRhK-4 Cells
Product manufactured in the United States, using only domestic animal materials.

Format: Purified Liquid **Exp. Date:** 18 APR 2027

Identity: Western Blot Assay
Acceptable Result: Must demonstrate a major band in the region of 33kD and at least 1 band in the 24 – 27kD region. The 33kD band must co-migrate with that in the standard lane.
Testing Results: Pass

Silver Stain Assay
Acceptable Result: Must demonstrate a major band in the region of 33kD and at least 1 band in the 24 – 27kD region. The 33kD band must co-migrate with that in the standard lane.
Testing Results: Pass

Protein Concentration: BCA Assay (Calculation):
Acceptable Range: $\geq 4 \mu\text{g/mL}$
Testing Results: $4 \mu\text{g/mL}$

EIA Titer: ELISA Assay:
Acceptable Range > 270
Testing Results: 662

ELISA Assay for Reference Antigen:
Acceptable Range: To Report
Testing Results: 300

Infectivity: Plaque Assay:
Acceptable Results $< 1 \text{ PFU/mL}$
Testing Results: 0 PFU/mL

Bioburden: Acceptable Range: 0 CFU/mL
Testing Results: 0 CFU/mL

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- Buffer:** NTE Buffer: 0.01M Tris, 0.15M Sodium Chloride, 1.0mM EDTA, pH 8.0 – 8.4,
- Preservative:** 0.085% Sodium Azide
- Inactivation:** Formalin inactivated, Formalin concentration < 1:8000 by volume
- 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.
- Safety Notes:** Refer to the appropriate Safety Data Sheet (SDS) for additional information.

Quality Signature: 

04 May 2022

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY