

CERTIFICATE OF ANALYSIS

Catalog #: 6123 **Lot #** M42623022

Description: Rubella Virus Grade IV PBS Antigen

Viral Strain: HPV77

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

Format: Purified Liquid **Exp. Date:** 01 JUN 2027

Protein Concentration: BCA Assay: Acceptable Range: ≥ 0.250 mg/mL **DOM:** 01 JUN 2022
Testing Results: 0.316 mg/mL

OD 260/280nm Assay: Acceptable Range: 0.45 – 0.60 mg/mL
Testing Results: 0.50 mg/mL

Activity: ELISA Assay: Reference Antigen Lot Number: M37879020
Testing Results: Midpoint Titer (test antigen): 203.694
Acceptable Range: -15% - +50% of Reference Antigen % of Reference: 28.90 %

Testing Results: Midpoint Titer (reference antigen): 158.028
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: 18
Sensitivity/Specificity High Positive Control: Acceptable ≥ 8 Test Result: 28

Buffer: PBS with Sucrose, without Sodium azide, pH 7.4 – 7.7

Preservative: None

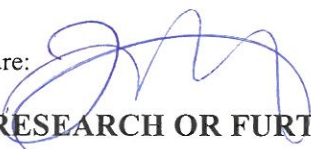
Applications: Each laboratory should determine an optimum working titer for use in its particular application

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

Inactivation: Product inactivated by UV irradiation and verified by Infectivity Testing (Plaque Assay)
Acceptable Range: 0 PFU/mL Testing Results: 0 PFU/mL

Usage Notes: Recommend sonication using microprobe set to 10% amplitude. Apply 1 – 3 second pulses with sample on ice.

Safety Notes: Refer to the appropriate Safety Data Sheet (SDS) for additional information

Quality Signature: 

27 June 2022

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY