

## CERTIFICATE OF ANALYSIS

**Catalog #:** 6075 **Lot #** M42911022

**Description:** Rubella Virus Grade III Antigen

**Viral Strain:** HPV77 **DOM:** 23 MAY 2022

**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:** 23 MAY 2027

**Bioburden:** Acceptable Range: < 100 CFU/mL  
Testing Results: 0 CFU/mL

**Protein Concentration:** Assay: Total Protein by OD260/280nm  
Acceptable Results: 0.1 – 0.2 mg/mL Testing Results: 0.13 mg/mL

**Activity:** ELISA Assay: Reference Lot Number: M31581018  
Testing Results: Midpoint Titer (test antigen): 52.173  
Acceptable Range: -15% - +15% of Reference Antigen % of Reference: -5.35 %  
Testing Results: Midpoint Titer (reference antigen): 55.122  
Background ELISA Ratio: Acceptable  $\leq 2$  Test Result: 1  
Sensitivity/Specificity Negative Control: Acceptable To Report Test Result: Acceptable  
Sensitivity/Specificity Medium Positive Control: Acceptable  $\geq 3$  Test Result: 12  
Sensitivity/Specificity High Positive Control: Acceptable  $\geq 8$  Test Result: 20

**Buffer:** 10 mM Tris, 150 mM NaCl, 1.0 mM EDTA, pH 8.0 – 8.4

**Preservative:** None

**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:  $\leq 10$  PFU/mL  
Testing Results: 0 PFU/mL

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

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

Quality Signature:



03 AUG 2022

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**