

## CERTIFICATE OF ANALYSIS

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Catalog #:** R86874 **Lot #:** 2L35321

**Description:** Influenza A (A/Shangdong/9/93) (H3N2)  
Influenza Virus, Type A, Strain A/Shangdong/9/93, (H3N2)

**Source:** Allantoic fluid of 10 day old embryonated eggs, inoculated with influenza A virus.  
Strain: A/Shangdong/9/93

**Format:** Purified, Liquid

**Purification:** > 90% pure (SDS-PAGE). Ultracentrifugation using 10-40% sucrose gradient.

**Concentration:** 1.10 mg/mL (BCA Method)

**Buffer:** 0.05 M Tris-HCl Buffer, pH 8.0, 0.1 M Sodium Chloride, 5 mM EDTA.

**Preservative:** 0.09% Sodium Azide, 0.005% Thimerosal

**Applications:** Serological studies of influenza A virus, immunogen for antibody production. Has been tested with anti-influenza A monoclonal antibodies (Catalog #C86305M) in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

**Storage:** Upon receipt, store at -20°C.

**Inactivation:** 0.005% Thimerosal and beta Propiolactone.

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

**References:** The references listed below are for research purposes only:

1. Yan, X., et al., (2004), "Microsphere-based duplexed immunoassay for influenza virus typing by flow cytometry", Journal of Immunological Methods, **284**: 27-38.
2. Yan, X., et al., (2005), "Multiplexed Flow Cytometric Immunoassay for Influenza Virus Detection and Differentiation", Anal. Chem., **77**: 7673-7678.

  
Quality Signature:

21 December 2021

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**