

## CERTIFICATE OF ANALYSIS

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

**Catalog #:** R86872 **Lot #:** 8H21622

**Description:** HBsAg (adw) Recombinant  
Recombinant Hepatitis B Surface Antigen (HBsAg), (adw) (S region).  
  
Recombinant HBsAg is a 24 kDa protein containing 227 amino acids, comprising the full-length of the S-gene. Does not contain a fusion partner.

**Source:** Strain-producer of yeast *Saccharomyces cerevisiae*, containing plasmid pCGA7, adw subtype.

**Format:** Purified, Liquid

**Purification:** > 98% pure (SDS-PAGE).  
Purification is conducted from broken yeast cells by the following scheme: clarification, microfiltration, ultrafiltration, adsorption chromatography, ion-exchange chromatography, ultracentrifugation and sterile filtration. Product is sterile filtered.

**Concentration:** 1.94 mg/mL (Lowry)

**Buffer:** 0.05 M Phosphate, 0.2 M Sodium Chloride, pH 7.2.

**Preservative:** None

**Applications:** Tested as solid-phase coating antigen in ELISA with anti-HBsAg antibodies. 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:** Store at 2–8°C. **DO NOT FREEZE!**

**Inactivation:** Not Applicable

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

Quality Signature:



04 Aug 2022

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**