Active Native Hepatitis B Surface Ag Subtype Ad Protein

Cat. No. HBsAg-321H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Hepatitis B Surface Ag Subtype Ad Protein is prified from Human Blood.
Species	HBV
Source	Human Blood
Description	Hepatitis B (HBV) is a virus that infects the liver and it is predominately transmitted by exposure to infectious blood or body fluids. The virus is divided into four major serotypes (adr, adw, ayr, ayw) based on the antigenic epitopes presented on its envelope proteins, and into eight genotypes (A-H) according to the overall nucleotide sequence variation of the genome. The genotypes have a distinct geographical distribution and properties including disease severity, course and likelihood of complications, and response to treatment. Diagnostic testing and blood donor screening of HBV involves a panel of several HBV-specific markers, HBV surface antigen (HBsAg), HBV core antigen (HBcAg) and HBV “e” antigen (HBeAg).
Form	50 mM Phosphate, pH 7.4 ± 0.2 containing 150 mM Sodium Chloride.
Bio-activity	Heat Inactivated at 60°C for 15 hours.
Purity	> 99% “Ad” subtype purity (ELISA)
Applications	Suitable for use 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.

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Storage	Store at 2-8 centigrade in working aliquots.
Concentration	Total Protein: 2.20 mg/mL (OD280nm-OD320nm) HBsAg: 2.20 mg/mL (BioRad - PEI Standard)
Preservative	0.09% Sodium Azide

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