

Active Native Hepatitis B Surface Ag Subtype Ad Protein

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

SPECIFICATION

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| Product Overview | Native Hepatitis B Surface Ag Subtype Ad Protein is purified 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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