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HBsAg preS1

Hepatitis B Surface Antigen, preS1 Recombinant
VAG0195

Product Overview

Name	HBsAg preS1

Description

Hepatitis B Surface Antigen, preS1 Recombinant

Introduction

Hepatitis B virus (HBV) is a human pathogen, causing serious liver disease. The HBV surface protein antigens (HBsAg) are comprised of three carboxyl co terminal HBs proteins termed large (LHBs), middle (MHBs) and small (SHBs, also called major) protein. LHBs and MHBs also share the highly hydrophobic, repetitive, membrane spanning S domain. In addition, LHBs has a 119 amino acid region called preS1.

Source

Escherichia Coli.

Formulation

HBsAg protein was lyophilized from 0.2 µm filtered (1mg/ml) solution in 20mM PB, pH 7.4, and 50mM NaCl.

Stability

This lyophilized HBsAg preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

Purity

Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Amino acid sequence

MGGWSSKPRQGMGTNLSVPNPLGFFPDHQLDPAFGAN
SNNPDWDFNPNKDHWPEAHQVGAGAFGPGFTPPHGGLLGWSP
QAQGILTTVPVAPPPASTNRQSGRQPTPISPPLRDSHPQA.

Solubility