

BIN049**Hepatitis B E Antigen / HBeAg - Purified**

Alternate names:	HBV External core antigen, HBV Precore protein
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (OD280 nm, E0.1% = 1.9)
Background:	Hepatitis B e-antigen (HBeAg) is a viral protein associated with HBV infections. Unlike the surface antigen, the e-antigen is found in the blood only when there are viruses also present. When the virus goes into “hiding,” the e-antigen will no longer be present in the blood. HBeAg is often used as a marker of ability to spread the virus to other people (infectivity). Measurement of e-antigen may also be used to monitor the effectiveness of HBV treatment; successful treatment will usually eliminate HBeAg from the blood and lead to development of antibodies against e-antigen (anti-HBe). There are some types (strains) of HBV that do not make e-antigen; these are especially common in the Middle East and Asia. In areas where these strains of HBV are common, testing for HBeAg is not very useful.
Source:	E. coli
Format:	State: Liquid purified fraction Purity: ~95% by SDS-PAGE Buffer System: 50 mM Tris, pH 6.8, 10 mM betaME, 3M NH ₄ SCN with 0.02% Sodium Azide as preservative
Applications:	ELISA and Western blot Immunoassay Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Description:	Hepatitis B Ag 'e' epitope Recomb. Hepatitis B Virus, 'e' Antigen, Recombinant. 17 kDa M.W., 160 a.a. portion. Contains the 10 amino acid pre-core sequence. Does not contain fusion partner.
Storage:	Store the antigen at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid multiple freeze/thaw cycles. Shelf life: six months from despatch.