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Datasheet for ABIN997019

Hepatitis B Virus E Antigen (HBeAg) ELISA Kit

Overview

Quantity:	96 tests
Target:	Hepatitis B Virus E Antigen (HBeAg)
Reactivity:	Hepatitis B Virus (HBV)
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	This enzyme-linked immunosorbent assay (ELISA) kit is for the qualitative detection of hepatitis B virus e antigen (HBeAg) in human serum or plasma.
Sample Type:	Serum
Analytical Method:	Qualitative
Detection Method:	Colorimetric
Specificity:	99%
Sensitivity:	99%

Target Details

Target:	Hepatitis B Virus E Antigen (HBeAg)
Abstract:	HBeAg Products
Target Type:	Viral Protein
Background:	Hepatitis B virus (HBV) is an enveloped, double- stranded DNA virus belonging to the

Target Details

Hepadnaviridae family and is recognized as the major cause of blood transmitted hepatitis together with hepatitis C virus (HCV). Infection with HBV induces a spectrum of clinical manifestations ranging from mild, inapparent disease to fulminant hepatitis, severe chronic liver disease, which in some cases can lead to cirrhosis and carcinoma of the liver. Classification of a hepatitis B infection requires the identification of several serological markers expressed during three phases (incubation, acute and convalescent) of the infection. Now several diagnostic test are used for screening, clinical diagnosis and management of the disease.

Hepatitis B "e" antigen is a virus protein to be intimately associated with hepatitis B virus replication, indicating high degree of infectivity. HBeAg appears shortly after HBsAg and is detectable for few days to several weeks. During treatment and recovery, the titer of HBeAg declines and is replaced by the corresponding antibody (anti-HBe). In chronic hepatitis B infections, elevated levels of HBeAg can be detected for years, which is a marker for large quantity of virus. In some chronic HBsAg positive patients, HBeAg is undetectable due to HBV mutations suggesting for low level of viral replication. If HBeAg is considered a specific marker of infectivity, the presence of anti-HBeAg antibody in blood is recognized to be a clinical sign of recovery from the infection.

Application Details

Sample Volume:	50 µL
Assay Time:	1 - 2 h
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C
Expiry Date:	12-18 months