

# Anti-Hepatitis B Virus (HBsAg)

Item Number: HBsAg

## Introduction

Find high-quality Anti-Hepatitis B virus (HBsAg) products here. Reliable results for LF, ELISA, IFA. Ensure accurate HBV infection detection with our HBsAg assays.

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Feature	Description
Product Name	Anti-Hepatitis B virus
Host Species	Goat
Application	LF / ELISA / IFA
Form/Appearance	Purified IgG fraction
Concentration	5 mg/ml
Isotype	IgG
Clonality	Polyclonal
Purity	≥95%
Buffer	0.01M Phosphate Buffered Saline, pH 7.2, containing 0.1% sodium azide
Cross Reactivity	Monospecific
Specificity	Purified surface antigen
Shelf Life	Six years from date of manufacture

Condition	Description
Storage (Short term)	<6 months: 2-8°C
Storage (Long term)	-20°C
Shipping	Cold Packs

Indicator	Requirement
<b>Packaging</b>	Product outer packaging box and aluminum foil packaging bag should be intact and undamaged.
<b>Test Strip Appearance</b>	Clean and flat appearance, no burrs, no damage, no pollution; material attached firmly.
<b>Test Strip Width</b>	Width should not exceed the nominal value $\pm 0.20\text{mm}$ , where the nominal value is 4.00mm.
<b>Migration Speed</b>	Liquid migration speed should not be less than 10mm/min.
<b>Minimum Detection Limit (HBsAg)</b>	The minimum detection amount of HBsAg adr, adw, and ay subtypes should be no greater than 1.00 IU/mL (using national reference materials or enterprise reference materials standardized by national reference materials).
<b>Linear Range (HBsAg)</b>	When using HBsAg national linear reference materials or enterprise linear reference materials standardized by national linear reference materials for detection, the correlation coefficient $r \geq 0.9900$ within the range of 1.00 IU/mL ~ 150.00 IU/mL.
<b>Accuracy (HBsAg)</b>	When using national accuracy reference materials or enterprise accuracy reference materials standardized by national accuracy reference materials as samples for testing, the relative deviation of the measurement results should be no greater than 20%.
<b>Positive Reference Material Compliance Rate (HBsAg)</b>	When testing 3 HBsAg national positive reference materials or enterprise positive reference materials standardized by national positive reference materials, the compliance rate (+/+) is 3/3.
<b>Negative Reference Material Compliance Rate (HBsAg)</b>	When testing 20 HBsAg national negative reference materials or enterprise negative reference materials standardized by national negative reference materials, the compliance rate (-/-) is 20/20.
<b>Repeatability</b>	When using HBsAg national precision reference materials or enterprise precision reference materials standardized by national precision reference materials for testing, repeated measurements 10 times, the coefficient of variation (CV) should be no greater than 15%.

Feature	Description
Condition	Description
Indicator	Requirement
<b>Batch-to-Batch Precision (Inter-batch Difference)</b>	When using HBsAg national precision reference materials or enterprise precision reference materials standardized by national precision reference materials to test three batches of reagent kits, repeating measurements 10 times for each batch, the inter-batch coefficient of variation (CV) should be no greater than 15%.
<b>Stability</b>	When stored at 4-30°C in sealed aluminum foil bags, take the product within 1 month of the expiration date for testing, and the test results should meet the requirements of 2.1~2.8.