

PRODUCT SPECIFICATIONS

Name	Anti-HBsAg 2508 SPTN-5
Specificity	Antibody recognizes hepatitis B virus surface antigen HBsAg (ad/ay)
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components
Product code	100504
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
Shelf life and storage	Unspecified, storage at 2-8 °C
Analyte description	Hepatitis B is an infectious illness caused by hepatitis B virus (HBV). The acute illness causes liver inflammation, vomiting, jaundice and rarely, death. Chronic hepatitis B may eventually cause liver cirrhosis and liver cancer – a fatal disease with very poor response to current chemotherapy. The infection is preventable by vaccination. The hepatitis B surface antigen (HBsAg) is most frequently used to screen for the presence of this infection. It is the first detectable viral antigen to appear during infection. However, early in an infection, this antigen may not be present and it may be undetectable later in the infection as it is being cleared by the host.

PARAMETERS TESTED ON EACH LOT

Product appearance	Liquid, may turn slightly opaque during storage
Product concentration	5.0 mg/ml (+/- 10 %)
Immunoreactivity	80-120 % compared to the reference sample in an FIA test
IEF Profile	5.9 - 7.1
Purity	≥ 95 %

PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

Subclass	IgG _{2b}
Association rate constant	Not Determined (N/D)
Dissociation rate constant	N/D
Affinity constant	N/D
Determination method	-
Determination antigen	-

Cross-reactivities N/D

Epitope N/D

Pair recommendations	CAPTURE ANTIBODY	DETECTION ANTIBODY
	2508	2510, 2505, 2507, 2508
	2510, 2507, 2508	2508

Antibody 2507 prefers HBsAg (ay) subtype.

Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.

Product stability

TEMPERATURE, TIME

-70 °C, 21 days

-20 °C, 21 days

+4 °C, 21 days

+35 °C, 21 days

+45 °C, 3 days

+45 °C, 7 days

RESULT

OK, but concentration might change

OK

OK

OK

OK

Failed due to loss of immunoreactivity

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. Please note that the shelf life given on the first page is based on real time stability testing at 2-8 °C in the product buffer.

Miscellaneous -

References -

Legal disclaimer

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