

HBsAg Subtype EIA

EIA based hepatitis B surface antigen subtyping kit with monoclonal antibodies

This kit has been developed as a reagent for research purposes to detect respective subtypic determinants, d, y, r, and w, in hepatitis B surface antigen (HBsAg) positive samples for identification of HBsAg subtypes such as adr, adw, ayr and ayw. Detection of subtypic determinants is based on the solid-phase sandwich EIA (Enzyme Immuno Assay). 96 wells of the microplate are coated with monoclonal antibody against the common determinant a of HBsAg. HBsAg in samples dispensed to wells is caught on the solid phase and their subtypic determinant, d, y, r, or w, is detected by peroxidase-labeled monoclonal antibody against corresponding determinant.

***This kit is a made-to-order product.**

Application

Determination of subtypes of hepatitis B surface antigen (HBsAg) in serum or plasma.

Features

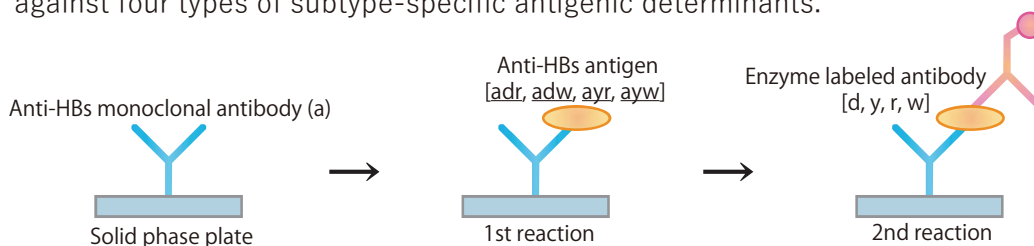
- Determining HBs antigen subtype using two-step sandwich EIA method
- Uses a 12-division type antibody solid phase plate with 8 wells per strip
- Reaction time is 5 hours 30 minutes

Kit Components

	Std. Kit for 24 tests Product Code: 1A63	ad/ay Kit for 48 tests Product Code: 1A63dy	ad kit for 96 tests Product Code: 1A63d	ay 96 kit for 96 tests Product Code: 1A63y
1 Microplate coated with anti-HBs <u>a</u> (8 wells x 12 strips)	1 plate	1 plate	1 plate	1 plate
2 HBsAg negative control	1.0 mL 1 vial	1.0 mL 1 vial	1.0 mL 1 vial	1.0 mL 1 vial
3 HBsAg positive control (<u>d</u>)	0.5 mL 1 vial	0.5 mL 2 vials	0.5 mL 4 vials	—
4 HBsAg positive control (<u>y</u>)	0.5 mL 1 vial	0.5 mL 2 vials	—	0.5 mL 4 vials
5 HBsAg positive control (<u>r</u>)	0.5 mL 1 vial	—	—	—
6 HBsAg positive control (<u>w</u>)	0.5 mL 1 vial	—	—	—
7 Enzyme labeled monoclonal antibody (<u>d</u>)	1.5 mL 1 vial	1.5 mL 2 vials	1.5 mL 4 vials	—
8 Enzyme labeled monoclonal antibody (<u>y</u>)	1.5 mL 1 vial	1.5 mL 2 vials	—	1.5 mL 4 vials
9 Enzyme labeled monoclonal antibody (<u>r</u>)	1.5 mL 1 vial	—	—	—
10 Enzyme labeled monoclonal antibody (<u>w</u>)	1.5 mL 1 vial	—	—	—
11 Enzyme substrate (TMB)	10 mL 1 vial	10 mL 1 vial	10 mL 1 vial	10 mL 1 vial
12 Reaction stopper	10 mL 1 vial	10 mL 1 vial	10 mL 1 vial	10 mL 1 vial
13 20x concentrated washing solution	25 mL 2 vials	25 mL 2 vials	25 mL 2 vials	25 mL 2 vials
14 Plate seal	5 plate	5 plate	5 plate	5 plate

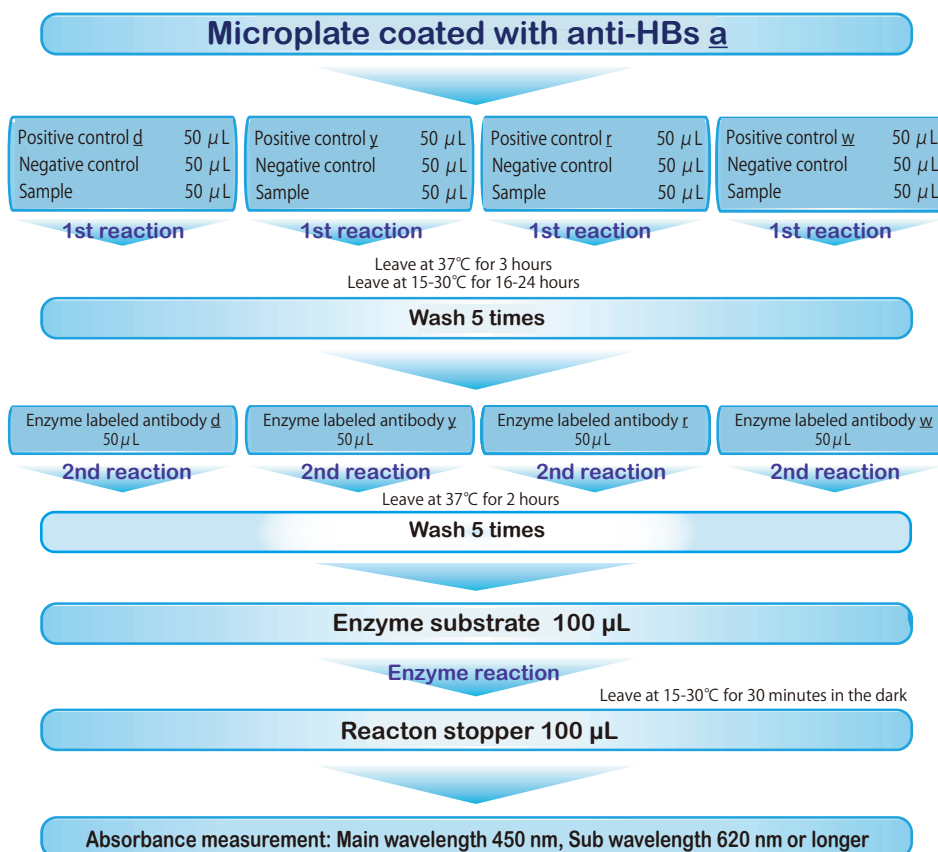
Assay Principle

Determined by a two-step sandwich EIA method using a monoclonal antibody against common antigenic determinant a of HBs antibodies and mouse monoclonal antibodies against four types of subtype-specific antigenic determinants.



Assay Procedure

*The procedure shown at right is for use with the standard 24-test kit (Product Code: 1A63).



[Reference]

Usuda S, Tsuda F, et al: J Immunol Methods 87: 203-210, 1986.

Product Information

*The products listed below are all made to order.

Product code	Product name	Package	Storage	Shelf life
1A63	HBsAg Subtype EIA	24 tests	2-10°C	1 year
1A63dy	HBsAg Subtype EIA ad/ay 48T	48 tests	2-10°C	1 year
1A63d	HBsAg Subtype EIA ad 96T	96 tests	2-10°C	1 year
1A63y	HBsAg Subtype EIA ay 96T	96 tests	2-10°C	1 year

We also provide the HBV genotyping kit, "IMMUNIS® HBV Genotype EIA" to customers around the world.



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