

“See Now” HBsAg Strip Test Serum/Plasma/Whole Blood

For *in vitro* Diagnosis Use
 Product Code: SN 5.1

INTENDED USE

The “See Now” Hepatitis B Surface Antigen (HBsAg) Test is a rapid and convenient immunochromatographic *in vitro* assay for detection of HBsAg in human serum, plasma or whole blood.

This assay provides only a preliminary result. Clinical expertise and professional judgment should be sought to further evaluate the result of the test. It is intended for healthcare professional use.

PRINCIPLE

HBsAg consists of lipid, carbohydrate and protein. The protein moiety of HBsAg contains several polypeptides. The antigenic determinants on the protein moiety of the HBsAg determine the specific characteristics of the different serotypes of the virus and are the basis of the immunoassay.

The antigenic reactivity of HBsAg is also associated with the surface of spherical or tubular particles. HBsAg is a fragment of the viral lipoprotein capsid.

“See Now” HBsAg test is an antibody sandwich immunoassay. Colloidal gold conjugated monoclonal antibody reactive to HBsAg is dry-immobilized onto a nitrocellulose membrane strip. When the sample is added, it migrates by capillary diffusion through the strip rehydrating the gold conjugate. If present, HBsAg will bind with the gold conjugated antibody to form particles. These particles will continue to migrate along the strip until the Test Zone (T) where they are captured by anti-HBs antibody immobilized there and a visible red line appears. If there is no HBsAg in sample, no red line will appear in the T zone. The gold conjugate will continue to migrate alone until is captured in the Control Zone (C) by immobilized goat, anti-mouse IgG antibody aggregating a red line. To serve as an internal process control, a control band should always be seen after test is completed. Absence of a colored control line in the control region is an indication of an invalid result.

MATERIALS SUPPLIED

- Test Strip, Desiccant
- Test instruction

MATERIALS REQUIRED BUT NOT SUPPLIED

- Specimen collection container, Timer

STORAGE AND STABILITY

- Test device in the sealed pouch can be stored at 2-30°C up to the expiration date. Do not freeze the test device.
- The test device should be kept away from direct sunlight, moisture and heat.

SPECIMEN COLLECTION AND STORAGE

- For serum samples collect blood in a tube without anticoagulant and allow it to clot
- For plasma samples collect blood in a tube containing anticoagulant (EDTA, citrate or heparin, respectively)
- Separate serum or plasma from blood as soon as possible to avoid hemolysis. Use only clear, non-hemolyzed specimens
- Testing should be performed immediately after the specimens have been collected. Do not leave the specimens at room temperature

TEST PROCEDURE

- Remove the test device from pouch when ready to perform the test .Label the test strip with patient or control identification.
- **Whole Blood** specimen: Hold the dropper vertically and **transfer 1 drop of whole blood** (approximately 40 µL) to the specimen area, then **add 1 drop of buffer**.
- **Serum/Plasma**: Immerse the strip into the sample tube with the arrow end pointing towards the sample. Let it stay immersed until you see liquid traveling up past the MAX word.
- Lay the strip (MAX side facing up) flat on a clean, dry, non-absorbent surface
- Read the result at 15-20 minutes. Ensure that the background of the test area is white before interpreting the results.

INTERPRETATION OF RESULTS

Positive: Two colored lines should be observed. The line in the test region (T) is the probe line; the line in the control region (C) is the control line, which is used to indicate proper performance of the device. **The color intensity of the test line may be weaker or stronger than that of the control line.**

Negative: The control line appears in the test, but the test line is not visible.

Invalid: No line appears in the control region. Under no circumstances should a positive sample be identified until the control line forms in the viewing area. If the control line does not form, the test result is inconclusive and the assay should be repeated.

LIMITATION OF PROCEDURE

- This products it is designed for *in vitro* diagnostic only.
- There is always a possibility that false results will occur due to the presence of interfering substances in the specimen beyond the control of the manufacturer, such as technical or procedural errors associated with the testing.
- As with all diagnostic tests, a definitive clinical diagnosis should not be based on the results of a single test.

