

Biocard[®]

Sickle Cell Rapid Test Kit

The Biocard[®] Sickle Cell Rapid Test Kit is a lateral flow chromatographic qualitative immunoassay to aid in the rapid diagnosis of sickle cell disorders of hemoglobins A, and hemoglobins S using fingerprick or venipuncture whole blood samples. This test is for in-vitro diagnostic use only and is intended as an aid in the presumptive diagnosis of sickle cell hemoglobinopathies. The Test kit is intended to be used as screening test by healthcare professionals only.



Technique: Rapid test based on lateral flow



Accuracy: Meets WHO recommended detection criteria



Longer shelf life: 24 months



Storage: 4°C to 30°C



Convenient pack size: 30 tests



Sensitivity: 100%



Specificity: 100%

Specimen Collection & Preparation

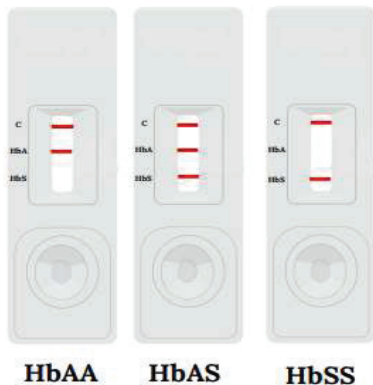
WHOLE BLOOD: Collect whole blood in EDTA, Heparin, Sodium Citrate or ACD anticoagulant. Though fresh blood samples are preferable; the sample can be stored at 2°C to 8°C for up to 24 hours, in case of delay in testing.

FINGER PRICK SAMPLES: Prick the finger (preferably ring finger of non-writing hand) with the help of lancet. Press the finger (if required) till blood oozes out freely. Wipe off the initial blood drop. Using a micropipette / sample applicator (provided with the kit) collect 10µl whole blood for the test and immediately add to the labelled assay buffer vial (provided with the kit). Mix vigorously and the specimen is now ready for testing.

Test Procedure

- Specimen and test components to be brought to room temperature if refrigerated.
- Open a foil pouch by tearing along the "notch" and check the colour of desiccant. It should be orange, if it has turned to colorless, discard the cassette and use another cassette.
- Remove the cassette from pouch and place the cassette on a flat horizontal surface. Once opened, the device must be used immediately.
- Label the device with specimen id.
- Collect the whole blood or finger prick sample and add 10µl of specimen in pre-filled extraction tube using micropipette.
- Tightly close the cap of extraction tube. Invert the extraction tube, mix few times and allow it to incubate for 10-15 mins at room temperature for complete treatment of the specimen with buffer.
- Immediately dispense 2-3 drops of specimen-buffer mixture into the Sick Cell card test with dropper provided in the kit.
(Note: While dispensing hold the dropper vertically, dispense the entire specimen into the center of the sample well making sure that there are no air bubbles).
- Allow test to run for 10 minutes.

Test Procedure



Normal (HbAA): Two distinct red lines appear. The control line (c) and HbA (Normal Hemoglobin) line are visible on the test cassette. This indicates the presence of Normal Hemoglobin in specimen.

Sickle Cell Trait (HbAS): The control line (c), HbA line (Normal Hemoglobin) and HbS line (Sickle Hemoglobin) are visible on the test cassette.

Sickle Cell Disease (HbSS): The control line (c) and HbS (Sickle Hemoglobin) line are visible on the test cassette.

*Please note: Product specifications are subject to change without prior notice owing to product modifications, improvements / up-gradation.



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