

HOW TO PERFORM SICKLE CELL TEST

Training for the use of First Response Sickle Cell Detection Card Test Detects Hemoglobin variants Type A & Type S in Human Whole Blood

- New unopened test device pouch
- New unopened alcohol swab
- New unopened lancet
- New pair of disposable gloves
- Prefilled Reaction Buffer Vial & Nozzle
- Timer
- Biohazard waste container
- Non-biohazard waste container
- Permanent Marker



Disposable gloves



Alcohol swab



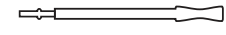
Permanent Marker



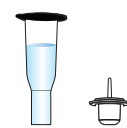
Lancet



Timer



Specimen Transfer Device



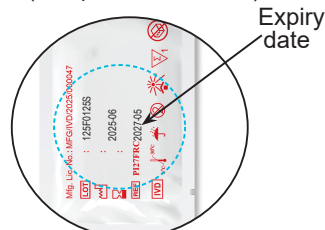
Prefilled Reaction Buffer Vial with Nozzle



Test device pouch

READ THE INSTRUCTIONS CAREFULLY BEFORE PERFORMING THE TEST.

1. Check expiry date on the test pouch. (If expired, do not use)



2. Put on gloves. Use new gloves for each patient.



3. Open the pouch and remove:



a. Test Device

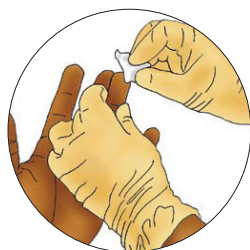
b. Desiccant

Desiccant Validity
Orange: Valid
Green: (Do not use the test device if the desiccant turns green).

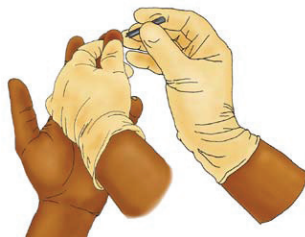
4. Label the test device with patient identification number/name



5. Wipe the patient finger with alcohol swab. (Alcohol must be dry before pricking)



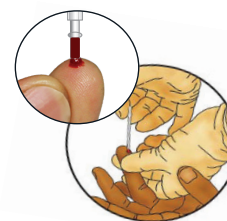
6. Take the lancet and detach the cap of the lancet and pierce the finger with the lancet.



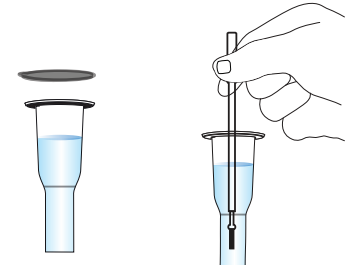
7. Dispose the lancet immediately into the sharps box.



8. Gently squeeze the bulb of the specimen transfer device and immerse the open end in blood. Gently release the bulb to draw blood up to 5 µl mark.



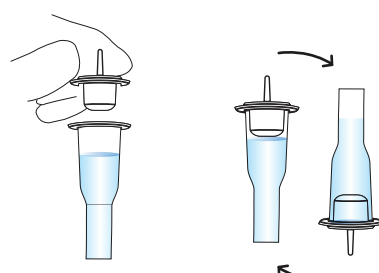
9. Remove the seal of vial and immerse the tip of specimen transfer device in the buffer solution and gently release the bulb.



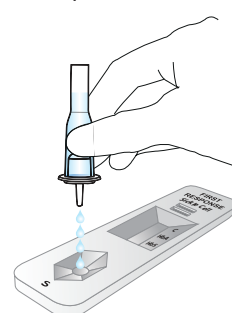
10. Dispose the used specimen transfer device into the biohazardous container.



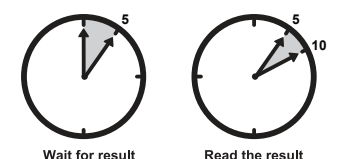
11. Close the nozzle cap tightly on vial. Gently invert the vial 5-7 times for mixing thoroughly.



12. Invert the reaction buffer vial vertically and gently squeeze it to dispense 4 drops of specimens into a sample well of the device



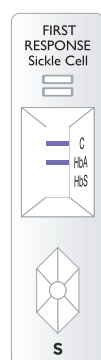
13. Interpret the result at 5 minutes.



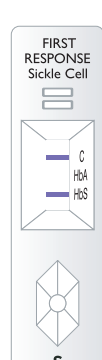
14. Do not Interpret after 10 minutes.

15. How to interpret test results.

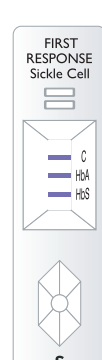
Normal/Sickle Cell Negative (HbAA)



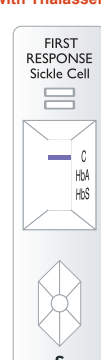
Sickle Cell Disease (HbSS)



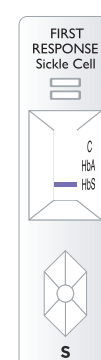
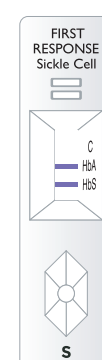
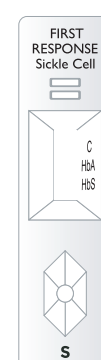
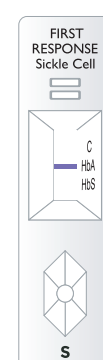
Sickle Cell Trait (HbAS)



Other Hemoglobinopathies or
Thalassemia or other
hemoglobinopathies associated
with Thalassemia



Invalid Results



The invalid test results should be retested with new test device.

15. Record the test results. Dispose of used test device into biohazard waste container.



16. Dispose off desiccant and used gloves in a biohazardous waste container. Dispose off the packaging materials in a non-biohazard waste container.



NOTE: Do not re-use the test device, alcohol swab, lancet and specimen transfer device as are intended for single use only

Manufactured by



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