

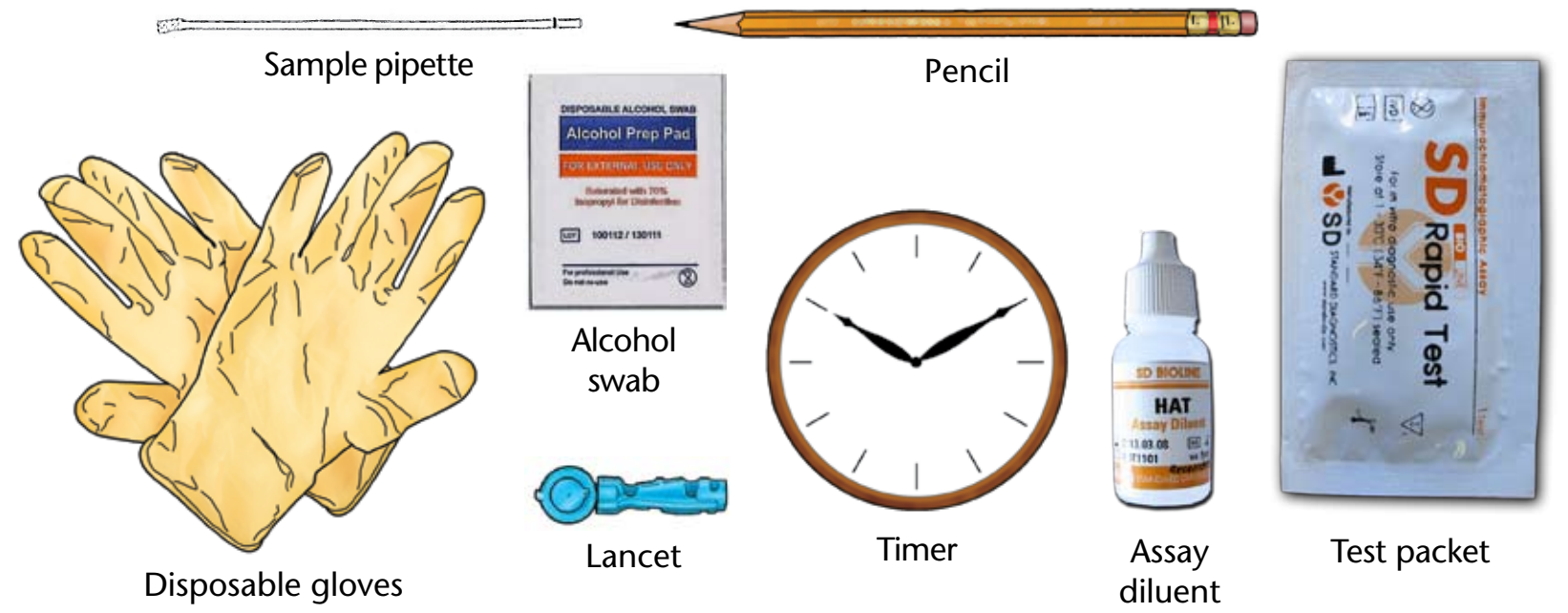
How to Perform the Rapid Test for Human African Trypanosomiasis (HAT)

Modified for training in the use of the **SD BIOLINE HAT** test for Human African Trypanosomiasis
Research use only



Take:

- NEW unopened** test packet
- NEW** sample pipette
- NEW unopened** alcohol swab
- NEW sterile** lancet
- NEW** pair of disposable gloves
- Assay diluent
- Timer
- Sharps box
- Pencil or pen



READ THESE INSTRUCTIONS CAREFULLY BEFORE YOU BEGIN.

- 1.** Check the expiry date on the test packet.



- 2.** Put on the gloves. Use new gloves for each patient.



- 3.** Open the packet and remove:



a. Test



b. Desiccant

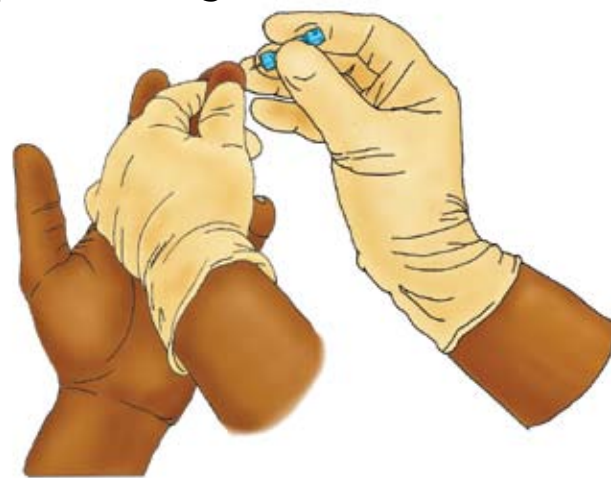
- 4.** Write the patient's name on the test.



- 5.** Open the alcohol swab. Grasp the 4th finger on the patient's left hand. Clean the finger with the alcohol swab. Allow the finger to dry before pricking.



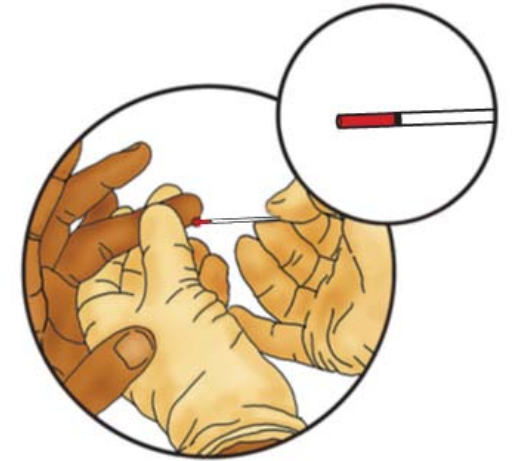
- 6.** Open the lancet. Prick patient's finger to get a drop of blood. Do not allow the tip of the lancet to touch anything before pricking the patient's finger.



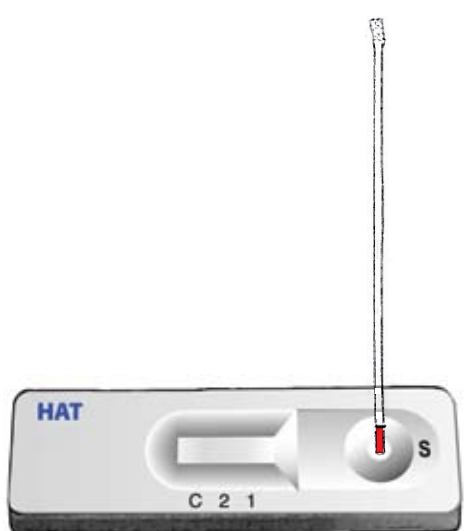
- 7.** Discard the lancet in the sharps box immediately after pricking finger. **Do not set the lancet down before discarding it.**



- 8.** Gently squeeze the pipette and touch its tip to the drop of blood. Gently release the pressure to draw blood up to the black line on the pipette.



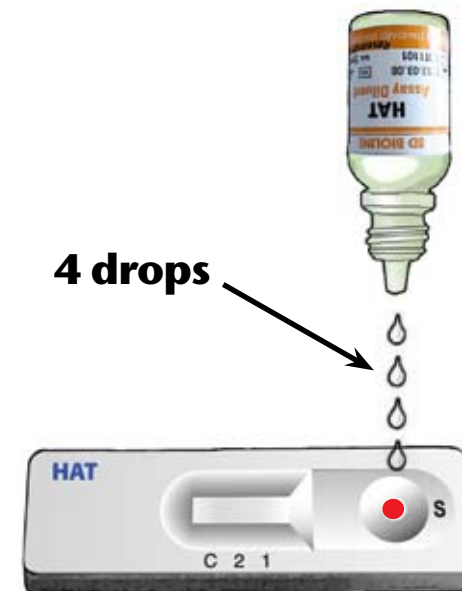
- 9.** Touch the tip of the pipette to the sample hole marked "S". Squeeze gently to transfer the blood.



- 10.** Discard the sample pipette in the sharps box.



- 11.** Put four (4) drops of assay diluent into the sample hole.



- 12.** Wait **15 minutes** after adding assay diluent.

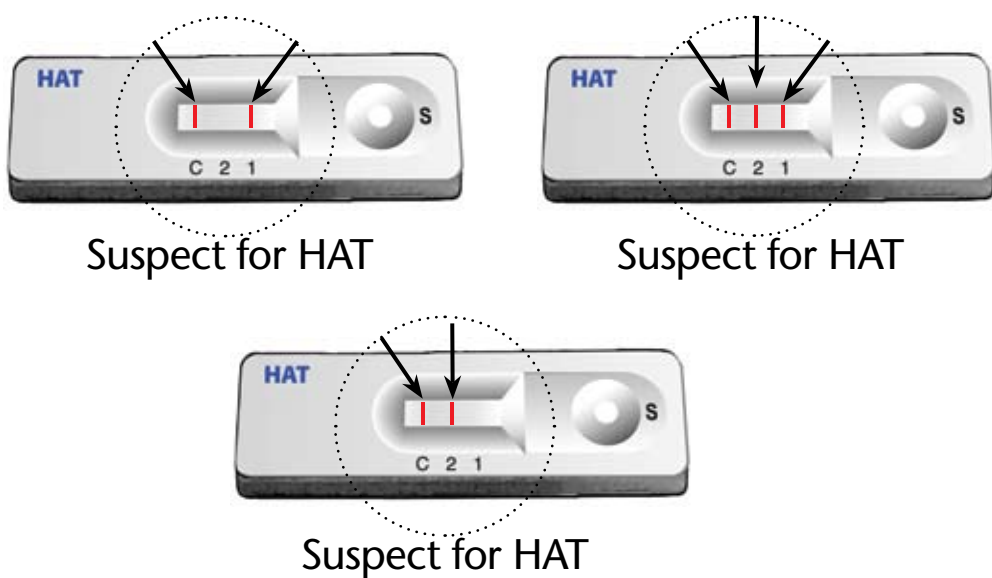


- 13.** Read test result. (**NOTE: Do not** read the test sooner than **15 minutes** after adding the assay diluent. You may get a **FALSE** result.)

- 14.** How to read the test result:

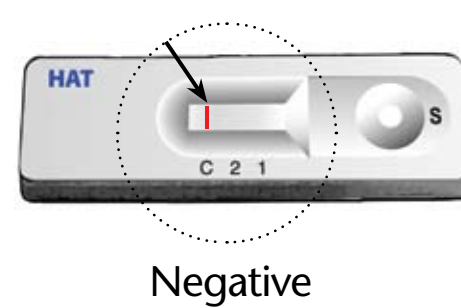
POSITIVE

A line in "C" **AND** line in "1" and/or "2" means the patient is **SUSPECT** for HAT (presence of antibodies directed against HAT antigens). The test is **POSITIVE** even if the lines in "1" and/or "2" are faint.



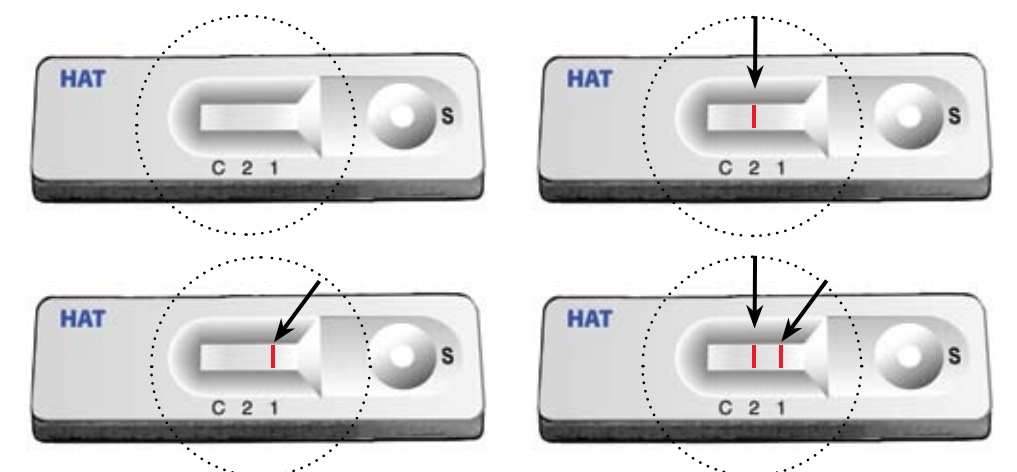
NEGATIVE

A line in "C" and **NO LINE** in either "1" or "2" means the patient **DOES NOT** have HAT.



INVALID RESULT

NO LINE in "C" and a line or no line in "1" and/or "2" means the test is **INVALID**.



If no line appears in "C," repeat the test using a **NEW unopened** test packet and a **NEW unopened** lancet.

- 15.** Dispose of the gloves*, alcohol swab, desiccant sachet and packaging in a non-sharps waste container.



* In case of active screening, follow national guidelines.

- 16.** Record the test result in your register. Dispose of cassette in non-sharps waste container.



NOTE: Each test can be used ONLY ONE TIME. Do not try to use the test more than once.



Produced by the Foundation for Innovative New Diagnostics (FIND) from generic material developed jointly by the World Health Organization (WHO), United States Agency for International Development (USAID), University Research Co., LLC (URC), Special Programme for Research and Training in Tropical Diseases (TDR), Malaria Consortium and Zambia National Malaria Control Centre.

Prepared on 30 June 2011, V1.0. Since manufacturers' instructions may have changed after this job aid was produced, all details should be cross-checked against manufacturer instructions in the product insert of the test in use.