

How to do the rapid test to detect G6PD deficiency



Collect:

- NEW unopened** test package
- NEW unopened** alcohol swab
- NEW unopened** lancet
- NEW** pair of disposable gloves
- Buffer
- Sterile gauze or cotton wool
- Timer
- Sharps box
- Pencil or pen



Disposable gloves



Pencil



Alcohol swab



Timer



Sterile gauze



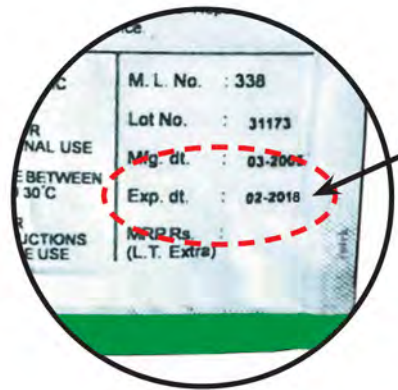
Buffer



Test package

READ THESE INSTRUCTIONS CAREFULLY BEFORE YOU BEGIN.

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

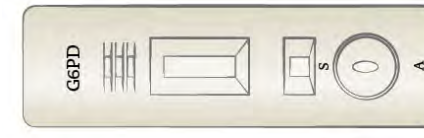


Expiry date

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



- 3.** Open the package and remove:



- a. Test



- b. Desiccant sachet (verify colour indicator, if applicable)

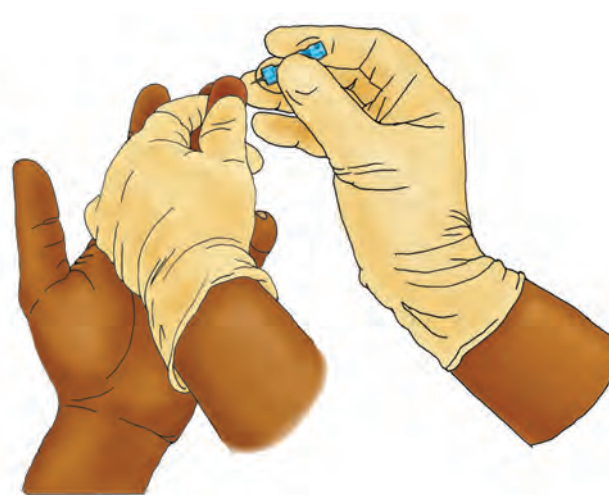
- 4.** Write the patient's name on the test.



- 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.



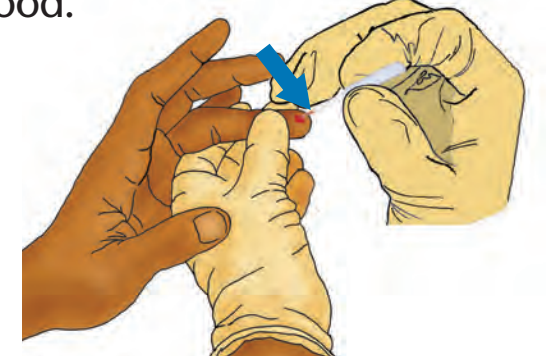
- 6.** Open the lancet. Do not allow the tip of the lancet to touch anything before pricking the patient's finger. Prick patient's finger to get a drop of blood.



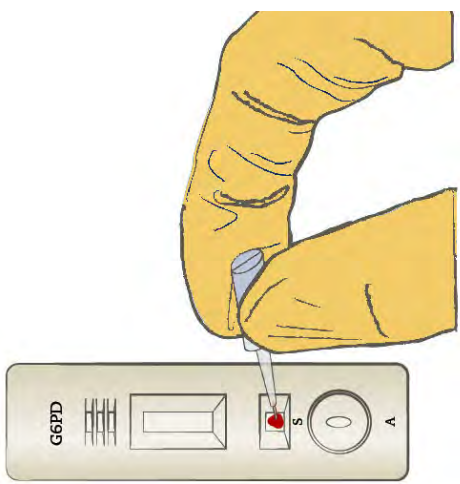
- 7.** Discard the lancet in the sharps box immediately after pricking the finger. Do not set the lancet down before discarding it.



- 8.** Wipe away the first drop of blood with a sterile gauze or cotton wool, then discard in the infectious waste bin (or sharps box if this is not available). Gently squeeze the finger to allow a drop of blood to form. Use a pipette to collect the drop of blood. Gently hold the pipette (indicated by the blue arrow) and touch the drop of blood.



- 9.** Use the pipette to put the correct volume of blood into the sample hole marked "S." Cover and press the hole on the pipette to release the blood.



- 10.** Discard the pipette in the sharps box or the infectious waste bin.



- 11.** Add two drops of buffer into the round hole marked "A."



- 12.** Wait **10 minutes** after adding buffer.

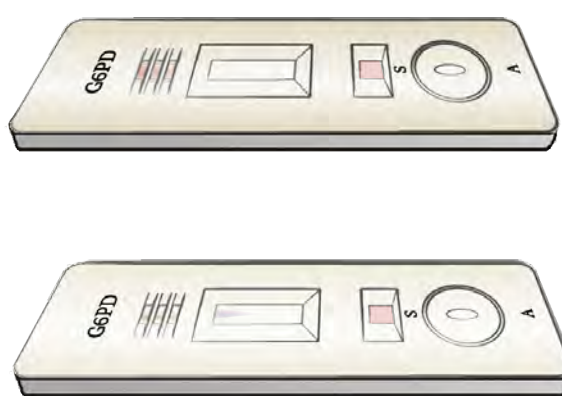


- 13.** Read test results. **(NOTE: Do Not** read the test before **10 minutes** after adding the buffer. You may get **FALSE** results.)

- 15.** How to read the test results:

G6PD DEFICIENT

No colour change, or a very faint purple colour means the patient **HAS** G6PD deficiency.



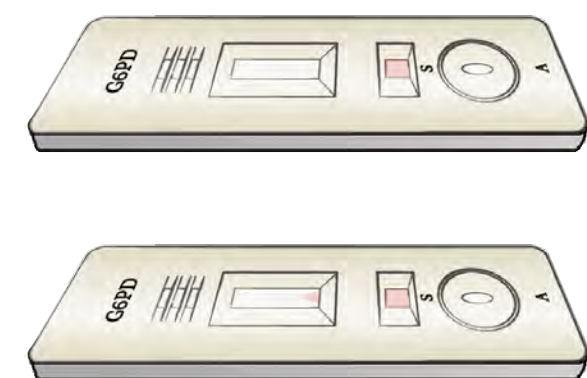
G6PD NORMAL

A distinct purple colour means the patient **DOES NOT** have G6PD deficiency.



INVALID RESULT

Invalid results are either where there is no blood flow or incomplete blood flow across the results window at the time of reading.



If you get an **INVALID** result, repeat the test using a **NEW unopened** test package and a **NEW unopened** lancet.

- 16.** Dispose of the gloves and alcohol swab in the infectious waste container. If not available, then put them, along with desiccant and packaging in a general waste container.



- 17.** Record the test results in your health worker 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.