



# Iron Deficiency

The Iron Deficiency Test is a rapid test for the qualitative detection of ferritin in human fingerstick blood to aid the diagnosis of iron deficiency and anaemia.

Ferritin is a protein and the primary form of iron stored inside cells. The Iron Deficiency Test is a rapid test to detect ferritin in human fingerstick blood to aid the diagnosis of iron deficiency and anaemia. An abnormal result is produced when the ferritin concentration in blood is lower than 30ng/ml and may be an indication of iron deficiency.

Anaemia due to iron depletion, is common in children and adults of all ages, particularly in menstruating women (at least 20% suffer from iron deficiency). The main symptoms are extreme fatigue, difficulty concentrating, headache, pale skin, muscle and joint pain, weight gain, palpitations, sometimes associated with sleep disturbances, weakness, chest pain, fast heartbeat or shortness of breath.

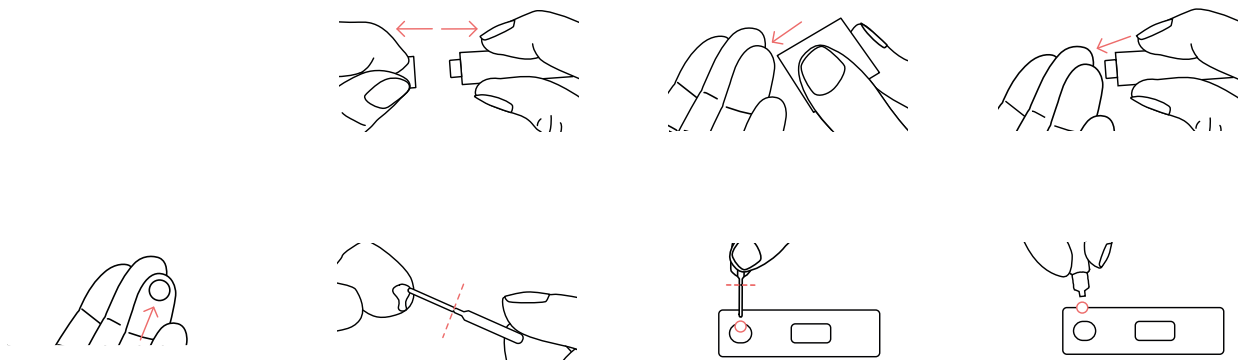
Mild iron deficiency anaemia usually doesn't cause complications. However, left untreated, iron deficiency anaemia can become severe and lead to health problems, including heart failure, problems during pregnancy, delayed growth and development in children.



# Instructions

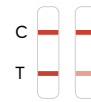
## Procedure

- 1 Bring the pouch to room temperature before opening it. Open the foil pouch and remove the cassette.
- 2 Carefully remove and dispose of the cap on the lancet.
- 3 Use the provided alcohol pad to clean the fingertip of the middle or ring finger as the puncture site.
- 4 Press the lancet, on the side from where the cap was extracted; down against the fingertip. The tip retracts automatically and safely after use.
- 5 Keeping the hand pointing downwards, massage toward the end of the finger that was pricked to obtain a blood drop.
- 6 Without squeezing the capillary dropper bulb, place it in contact with the blood. The blood migrates into the capillary dropper to the line indicated on the capillary dropper. You may need to massage your finger again to obtain more blood if the line is not reached. Avoid air bubbles.
- 7 Put the blood collected into the sample well of the cassette, by squeezing the dropper bulb.
- 8 Wait for the blood to be totally dispensed in the well. Unscrew the cap of the buffer bottle and add 1 drop of buffer into the sample well of the cassette.
- 9 Wait for the coloured line(s) to appear. Read results at 5 minutes. Do not interpret the result after 10 minutes.



**Read the results****NORMAL RESULT**

Two lines appear. Both T (test) and C (control) line appear. This result means that the ferritin concentration in blood is normal and that there is no potential iron deficiency.



Normal

**ABNORMAL RESULT**

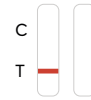
One line appears. Only the control line appears (C). This result means that the ferritin concentration in blood is too low. You should consult a physician because it may be an iron deficiency.



Abnormal

**INVALID RESULT**

There is no red line in control region (C). The most likely reasons for this are the instructions were not followed correctly or the product has been damaged. Please repeat the test with a new cassette. If the problem still persists, refrain from using this batch of product immediately and contact the supplier.



Invalid