



HAEMOGLOBIN TEST KIT LOVIBON

Blood Haemoglobin Levels (Harrison's Method)

The level of haemoglobin in blood is widely used to indicate anaemia due to blood loss, a deficiency of iron, vitamin B12 or folic acid, or a failure to produce red cells.

The Lovibond AF 353 test kit is designed for estimation of blood haemoglobin levels using Harrison's Method. This method is particularly simple with low running costs since it employs undiluted blood and does not use any reagents. Furthermore, it does not require any power supply for operation.

Blood is run directly into a special capillary blood cell and the colour of the blood is matched in a Comparator instrument with a series of precalibrated glass filters. The filters are housed in a pair of Lovibond test discs: disc 5/8A covers the range 20 - 58% haemoglobin; disc 5/8B covers the range 64 - 130% haemoglobin (100% is equivalent to 14.6 g per 100 ml).

The Lovibond AF 353 test kit is supplied with the following equipment in a plastic carrying case:



Lovibond Comparator 2000+

A high quality comparator instrument for colour matching of blood samples with the precalibrated coloured glass standards housed in Lovibond test discs. It includes an integrated prism, which causes the sample and comparison fields to overlap, allowing enhanced colour discrimination and matching. The prism is ultrasonically sealed to prevent contamination of the optics.

Haemoglobin Disc 5/8A

Lovibond test disc containing nine coloured glass filters precalibrated to 20, 24, 28, 32, 36, 40, 46, 52, 58%.

Haemoglobin Disc 5/8B

Lovibond test disc containing nine coloured glass filters precalibrated to 64, 70, 76, 84, 92, 100, 110, 120, 130%.

Capillary Blood Cell, W670/OG/0.004"

Discs 5/8A and 5/8B are calibrated for use with a capillary action blood cell of 0.004" path length. The glass cell consists of a flat back plate and a separate cover plate with three small glass studs, which are accurately ground to maintain the distance between the two plates at 0.004". The cell is filled from the side by running capillary blood from a pricked finger (or ear lobe or heel) directly into the space between the plates. It is supplied with a metal clip, which is designed to hold the two plates together when the cell is standing upright in the Comparator.

Lancets

Pack of 100 disposable lancets