

CODE NO:

**Device Name: Rapid portable Hemoglobin  
Meter**

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- PURPOSE: For hemoglobin estimation with preferred with PCV
- Reading Time: less than 10 sec.
- Light source: LED, adjusted to specified wavelength, bandwidth:  $\pm 2\text{nm}$
- Measuring: photometric , others to be specified
- Accuracy :  $\pm 0.005$  or less
- Cuvette types: Micro , according to manufacturer
- Data: 1000 or more determinations including date and time
- Display : LCD or LED
- Measuring range:  $0 - \geq 30\text{g/dl Hb}$  , ( accepted for criteria of blood donor selection)
- Sample volume: minimum sample volume should be stated
- Calibration: yes
- Quality control: yes, with control cuvette
- Power supply: AA battery or USB with charging adapter.
- Environmental requirements: the equipment suitable for working in the climate conditions of Iraq in terms of temperature & humidity