

NBM 200

Non-Invasive Hemoglobin measurement

Innovative. Industry Preferred.



Why Blood Centers Choose NBM 200

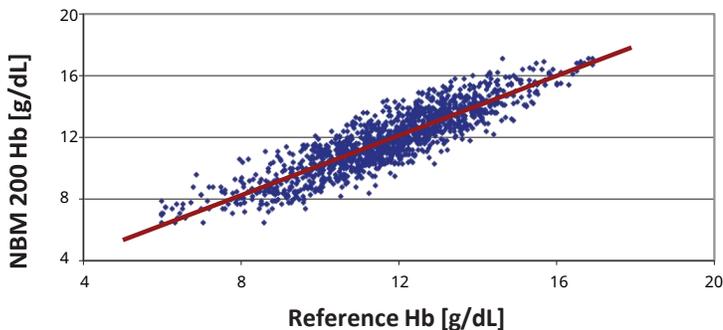
- Shorter testing, decision time
- Streamlined workflow, with fewer steps and no disposables
- Simplified compliance, training requirements
- Improved donor experience, retention
-  Reduced environmental footprint

Technology Snapshot

The NBM 200 finger sensor cuff combines a sensitive optical measurement with temporary blood-flow occlusion. The occluded blood generates a unique and strong optical signal, enabling highly sensitive measurement results.



NBM 200 Hemoglobin measurements compared with reference measurements (Coulter LH750)



Data (n=1304), precision 0.96g/dL, correlation 0.89

SOLIS, is the NBM cloud based digital inventory management system. It is available anytime, anywhere, eliminating the need for testing supplies' shipping and handling, warehousing, or expiration date concerns. SOLs – digital equivalents of cuvettes, can be delivered instantly to any device, in the center or out in the field.

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Caution: Federal law restricts this device to sale by or on the order of a physician.
See Operators Manual for Cautions and Warnings, Indications, Usage instructions, Accuracy Specifications, Contraindications and troubleshooting instructions

NBM 200 Features & Specifications

Performance

Hemoglobin (Hb)

Accuracy range: 7-17 g/dL
Precision: 1 g/dL (1 SD)

Pulse Rate (PR)

Range: 30-240 bPm
Precision: 3 bPm

SpO₂

Range: 1-100%
Accuracy range: 70-100%
Precision: 3%

Mode of Operation

Spot checking (optional periodic)

Data Management

Data logger with real time and date. The measured Hb values are automatically stored

Electrical

Voltage range: 100-240 VAC, 50-60 Hz,
40 VA max.

Type of Protection

Class 1 (on AC Power) Type BF applied part

Environmental

Operating temperature: 0-40°C (32-104°F)
Storage: -20 - 70°C (-4 - 140°F)
Humidity: 5%-95% non-condensing
Operating Altitude: Up to 15,000 ft

Protection

IPX2 against drip and foreign bodies

Compliance With

Standards:
IEC/EN 60601-1, CSA 601.1, IEC/EN
62304, MDD 93/42/EEC
EMC compliance:
IEC/EN 60601-1-2, Class B

Sensor Emitted Light

LED wavelength range: 600-1,000 nm
Average radiated power: ≤1 mw

Calibration

Factory Calibrated over the range

Physical Characteristics

Dimensions:
7.5 cm H x 22.5 cm W x 18 cm D (3" x 9" x
7.1")
Weight: 1 kg (2.2 lb)

