Pronto[®]



Pronto — with rainbow® technology — for noninvasive and quick spot checking of total hemoglobin (SpHb®), SpO2, pulse rate and perfusion index



A New Solution for Hemoglobin Spot-Check Testing

Traditional invasive lab testing provides delayed results and requires a painful needle stick and time consuming blood draws.

The Pronto offers noninvasive and quick spot-check testing of total hemoglobin (SpHb), SpO2, pulse rate, and perfusion index, which may provide the following benefits:

CLINICIAN

- > Facilitates timely patient assessment
- > Reduces the need to wait for lab results

STAFF

- > Easy-to-use reduces training time and improves efficiency
- > Decreases risk of accidental needle sticks and exposure to blood-borne pathogens
- > Requires no lab consumables or waste disposal

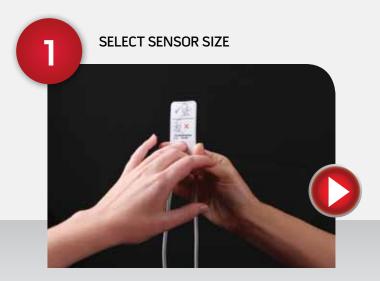
PATIENT

- > Reduces painful needle sticks and time-consuming blood draws
- > Enables immediate face-to-face counselling with clinician





FOUR SIMPLE STEPS

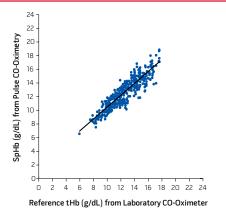


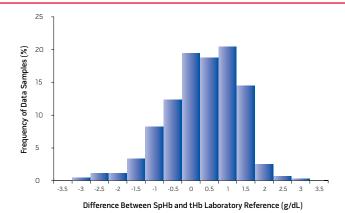






SpHb ANALYTICAL PERFORMANCE





In 492 comparisons of SpHb and invasive hemoglobin (tHb) measurements from a laboratory CO-Oximeter, SpHb accuracy was as follows¹:

- > 0.08 g/dL bias
- > 0.96 g/dL at one standard deviation
- > Below 12 g/dL, 99% of SpHb readings were <2 g/dL of the laboratory tHb value
- > At or above 12 g/dL, 94% of SpHb readings were <2 g/dL of the laboratory tHb value

Please note: These results were obtained following a specific protocol, in which all Directions for Use were followed and SpHb measurements were compared to validated laboratory reference measurements. Differences in results may be caused by many factors, such as those explained in Masimo's Directions for Use. Some independent researchers have conducted their own testing and obtained similar results, while other researchers have reported larger differences when comparing SpHb measurements to laboratory measurements.

PERFORMANCE

Measurement	Range	Resolution	Accuracy ²
Total Hemoglobin (SpHb)	0-25 g/dL		8-17 g/dL ± 1 g/dL
Arterial Oxygen Saturation (SpO2)			70% to 100% ± 2%
		1 bpm	
Perfusion Index (PI)	0.02%-20%		

SPECIFICATIONS

Pronto Device General Type	Display/Indicators Data display SpOz%, pulse rate (PR) beats per minute, SpHb g/dL, PI%, low signal IQ, battery level indicator and sensor use indicator Type LED
rest storage capacity10,000 rime stamped spot check hesoits	Compliance
Electrical	EMC compliance EN60601-1-2, Class B
Battery power4 AA Alkaline	Equipment classification
Capacíty Operates Continuously for up to 8 Hours Without Changing Batteries	Type of protection (battery power)Internally Powered Degree of protection-sensorType BF-applied part
Number of spot checks on fully charged battery	
Isolation	SpHb rainbow Sensor General TypeDirect Connect Spot Check Reusable Sensor
Environmental	Adult Reusable > 30 kg
Operating temperature	Pediatric Reusable
Storage temperature	
Operating humidity	Physical Characteristics 36" (91.4 cm) Length 13 oz (367 g)
Physical Characteristics	A A A A A A A
Dimensions 6.2" x 3.0" x 1.4" (15.8 cm x 7.6 cm x 3.6 cm) Weight 13 oz (367 g) Visual alarms Low Battery, System Failure	3 3 3 3 3 3
Maning FDA Cubaristica Data (Tabairal Dullatia Callla Assuran)	Protective boots are available in your choice of seven different colors.

¹ Masimo FDA Submission Data (Technical Bulletin, SpHb Accuracy)

² SpOz accuracy has been validated on healthy adult male and female volunteers with light to dark skin pigmentations in the range of 60% - 100% against a laboratory CO-0ximeter. SpHb accuracy has been validated on healthy adult male and female volunteers and on surgical patients with light to dark skin pigmentations in the range of 8 g/dL to 17 g/dL SpHb against a laboratory CO-0ximeter. The SpHb has not been validated withmotion or low perfusion. Pulse Rate accuracy has been validated in the range of 25-240 bpm in bench top testingagainst a Biotek Index2 simulator. The variation in accuracy specifications equals plus or minus 1 standard deviation which encompasses 68% of the population. Contact Masimo for testing specifications.

