

Introduction

Hemoglobin Meter

Dual wavelength
Hemoglobin meter
based on
Micro cuvette



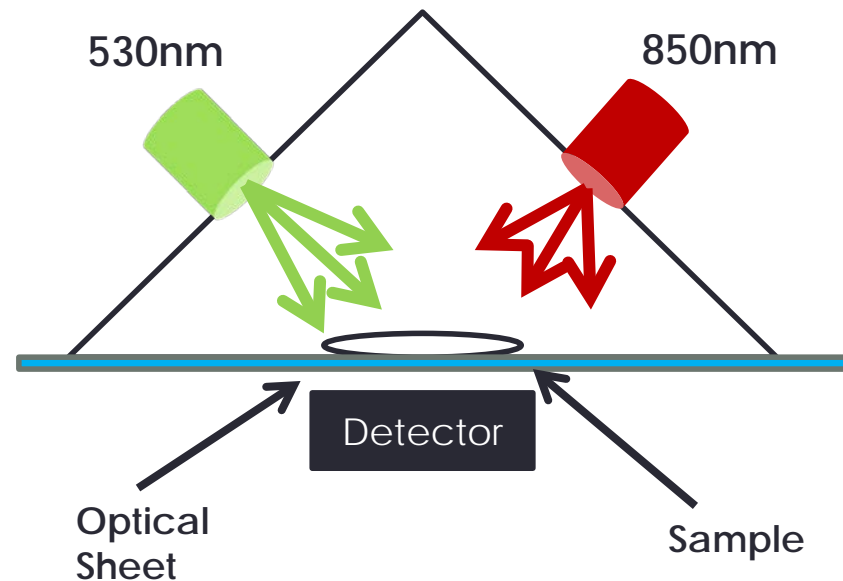
Specification

Criteria	Hemochroma PLUS	Remark
Intended to use	Total hemoglobin in whole blood	Hb concentration test for anemia
Range	0 ~ 27 g/ dL	(actual 5.0~17 g/dL)
Methodology	Dual Length Absorbance in micro-cuvette Non-hemolysis, whole blood	
Reproducibility (CV%)	Inter-batch $\leq 1\%$ Reader-to-reader $\leq 4\%$	
Correlation	R square ≥ 0.98	Sysmax, venous blood
Sample volume	12 ~ 15uL	Finger 12uL, Tube 15 uL
Time	Within 5 secs	Result display time
Cartridge movement	Auto & manual cartridge holder	Manual operation available
Storage memory	1,000 data can be stored	Memory recall available
Dimension	106.5 x 151 x 38.5 mm	
Weight	230g	
Electric Voltage	USB power or Battery operated: 12 hours Sleep mode: within 5 mins.	
Output	USB: PC software connection and power RS232: Printer (only for printing) Bluetooth: optional	Printer is not included

Principal of device

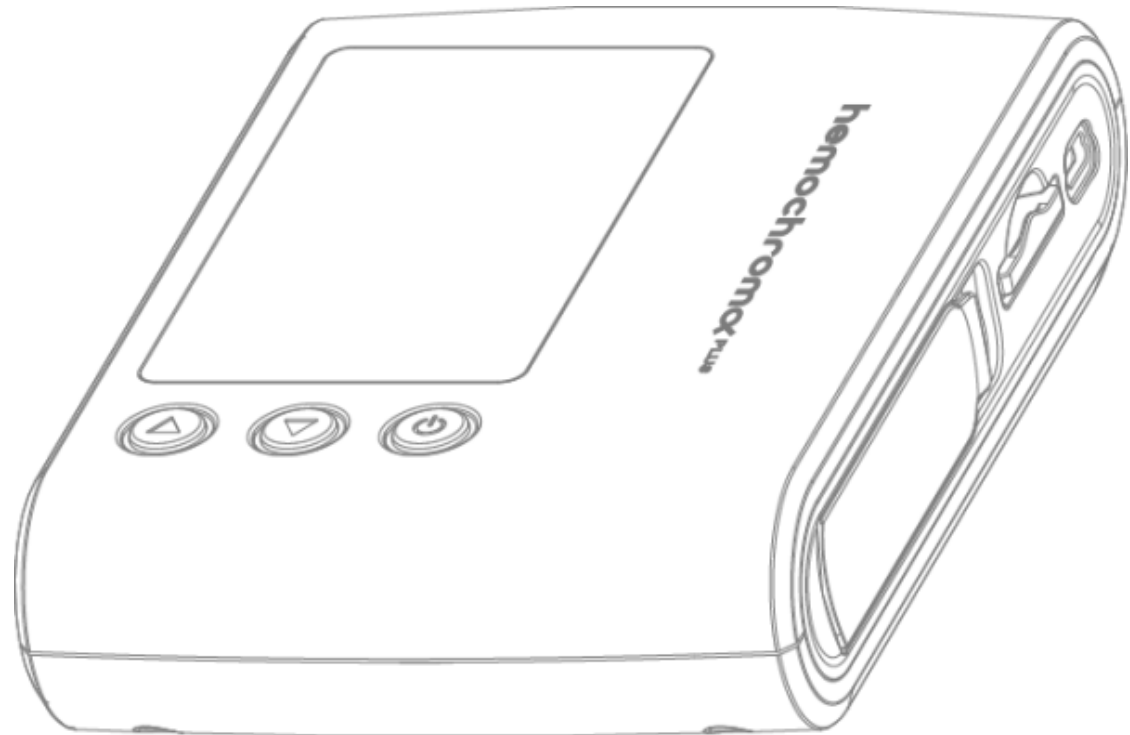
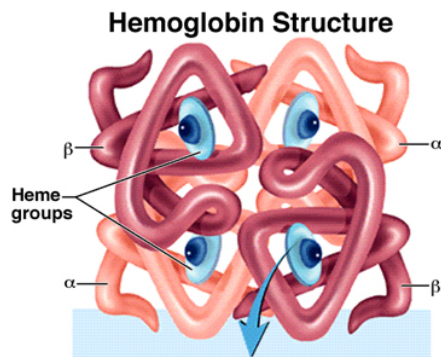
LED based optical system

Dual wavelength
Auto calibration
Direct absorbance
Whole blood



Performance data of reader

Correlation
Reproducibility
Comparison



Correlation result with Sysmex[®] in venous blood

- **Purpose**

- Evaluation for correlation with Sysmex (KX21N)

- **Methods**

- 208 of venous blood (within 7 days after collection)
- Test with 6 Hemochroma PLUS reader

- **Result**

- R2 = 0.969
- Slope = 0.939

- **Conclusion**

- Hemochroma PLUS shows high correlation coefficient value with Sysmex.

