

ARTOCELL 200

Automatic Three-part Differential Hematology Analyzer



- RBC
- WBC
- Hemoglobin
- Platelets



SWEMED BIOMEDICALS PVT. LTD.
An ISO 13485, CE Certified Company

Technical Specifications

Methods of Programming

- + Impedance method & Cyanide-free HGB measurement

Parameters

- + 3-diff on WBC, 22 parameters including 3 histograms

Parameters	Unit	Parameter	Unit
WBC	10 ³ /μl	MCH	pg
LYM#	10 ³ /μl	MCHC	g/dl
MID#	10 ³ /μl	RDW-SD	fl
NEU#	10 ³ /μl	RDW-CV	%
LYM%	%	PLT	10 ³ /μl
MID%	%	MPV	fl
NEU%	%	PDW	fl
RBC	10 ⁶ /μl	PCT	%
HGB	g/dl	WBC, RBC, PLT Histogram	
HCT	%		
MCV	fl		

Operating Principles

- + Electrical resistance for counting, Cyanide Free method for hemoglobin with diluter Based and Volumetric testing system

Parameters

- + 3-diff on WBC, 22 parameters including 3 histograms

Sample Volume

- + 10 ul vein, 20 ul Cap

Sample Mode

- + Whole blood/Pre-diluted Mode

Sample Type

- + Adult and infant

Throughput

- + 60 tests/hour

Detection System

- + Independent channel WBC/HGB, RBC/PLT (Double Chamber)



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Data Storing Capacity

- + 2,00,000 results including histograms

Quality Control

- + -R, -B, -LJ
 (32 groups of QC data can be stored in each QC file)

Display

- + 8.4 Inch color LCD

Output

- + Two RS-232, one keyboard, LPT PORT

Printing

- + Built-in thermal printer, External printer (optional)

Operating Temperature

- + 15-40°

Power Supply (Input)

- + AC 220 ± 10% 50Hz

Dimension

- + L32 x W50 x H42

Weight

- + 23 KG

Parameters	Unit Range	Reproducibility	Carry Over
WBC	0-99.9 x 10 ¹² /L	≤ 1.5%	≤ 0.5%
RBC	0-99.9 x 10 ¹² /L	≤ 1.0%	≤ 0.5%
HGB	100g/L x 300g/L	≤ 1.5%	≤ 0.5%
PLT	0.999 x 10 ⁹ /L	≤ 3.0%	≤ 0.5%
MCV	40.0-150.0 fL	≤ 0.5%	N/A
HCT	0.334-0.600	≤ 0.5%	N/A

Technical Specifications subjects to change without prior notice.

