

Technical Specification

Parameters

21 Reportable parameters:
WBC, LYM#, MID#, GRAN#, LYM%, MID%, GRAN%, RBC,
HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV,
PDW, PCT, P-LCR, P-LCC

- 3 Histograms

Throughput

≥ 60 tests/hour

Test Mode

Whole blood, Capillary whole blood and Prediluted mode

Sample Volume

Anticoagulant whole blood ≤ 9.6uL
Prediluted blood ≤ 20uL

Software

English operating software
Touch screen

Performance

Parameter	Linearity Range	Carry Over	CV
WBC	0-100x10 ⁹ /L	≤0.5%	≤2.0%
RBC	0.1-8x10 ¹² /L	≤0.5%	≤1.5%
HGB	0-250g/L	≤0.6%	≤1.5%
PLT	0-1000x10 ⁹ /L	≤1.0%	≤4.0%
MCV	-	-	≤1.0%

Quality Control & Calibration

Quality control: 3 levels, 2 modes
Calibration: Auto and manual calibration

Interface

1 LAN port, 4 USB ports
LIS/HIS system, available in labs and clinics

Reference Range

9 different groups of normal parameter range for reference

Unit

2 units are available

Input

Patient and hospital information can be insert
Barcode reader can be available

Data Memory

Up to 50,000 sample results
(including histogram and patient information)

Reagents

2 reagents
Built-in lyse
External diluent
(Probe clean for maintenance)

Size / Weight

L290XW370XH390mm / 18kg

DW-3680

Auto 3-Part Hematology Analyzer



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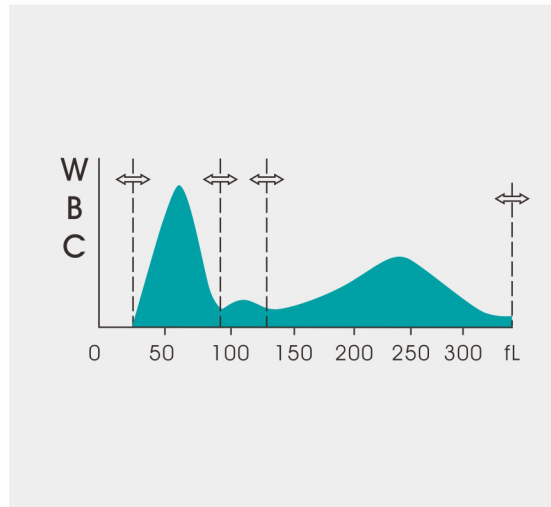
Website: www.deweilab.com



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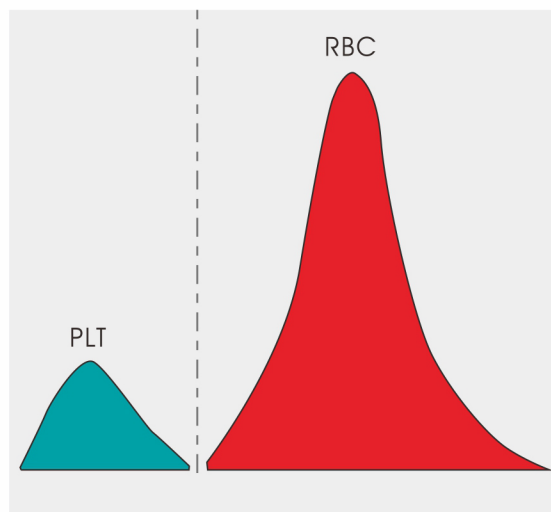
DW-3680

Auto 3-Part Hematology Analyzer

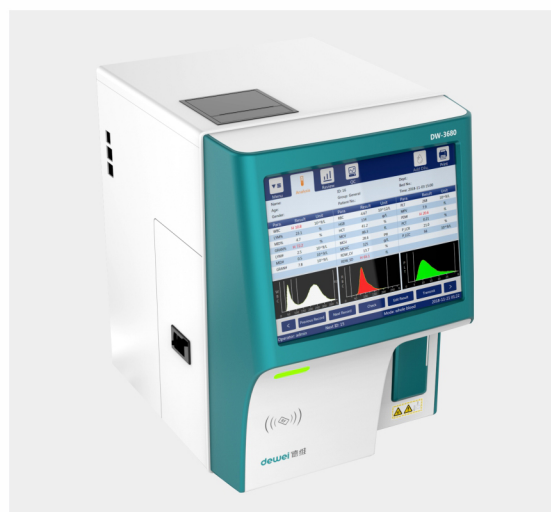


Principles

Impedance and Colorimetry
Impedance to cell counting
No cyanide lyse

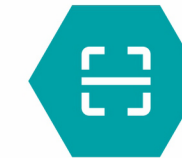


3 part differentiation of WBC



Flag System

Abnormal sample of WBC, RBC and PLT are available
Support customized testing group



Accurate measurement of low value PLT
Advanced impedance technology
Ensure accuracy of PLT



Fluidic patent technology
Innovative technology
High efficiency
Free of maintenance
Good reliability



Large LCD touch screen
High resolution and colorful screen
High sensitivity of operation by wearing gloves



Low running cost
2 reagents only
Low reagent consumption of single test



Low sample volume consumption
Anticoagulant whole blood ≤ 9.6uL
Prediluted blood ≤ 20uL



Easy operation
One Click to run test
One Click of troubleshooting
One interface of whole daily operation