

Introducing SMART5PartAL your new 5 DIF Autoloader Analyzer

- 5 part differential for WBC
- 28 parameters
- 3 histograms (WBC, RBC, PLT)
- 1 scatter diagram (2 optical axes)
- 5Part Differential Algorithm
- 70 Samples per Hour*
- Less than 20µL per sampling
- 8.4 inch LCD Touch Screen - LED Backlit
- High Reliability, Life Time Tubing
- Very Compact
- New Optical 5DIFF Technology (Patent Pending)



Different colors and front cover designs available

Parameters

WBC, RBC, HGB, HCT, MCV, RDW-CV, RDW-SD, MCH, MCHC, PLT, MPV, LYM#, LYM%, MON%, MON#, NEU%, NEU#, EOS%, EOS#, BAS%, BAS#, ALY%, ALY#, IMM%, IMM#, PCT, PDW, P-LCR

Sample Volume

Whole Blood < 20µL
Open Vial Mode Available

Throughput

>70 Samples per hour
(* expected)

Background counts

WBC < 0.2 (10³/µL)
RBC < 0.02 (10⁶/µL)
HGB < 0.2(g/dL)
PLT < 10 (10³/µL)

Precision

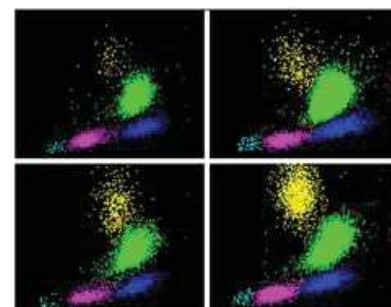
WBC > 6.0 (10³/µL) < 2.5%
RBC > 4.0 (10⁶/µL) < 2%
HGB > 12.0 (g/dL) < 1.5%
PLT > 200 (10³/µL) < 5%

Linearity Range

WBC 0.2 - 100 (10³/µL)
RBC 0.02 - 8 (10⁶/µL)
HGB 0.2 - 24 (g/dL)
PLT 10 - 2000 (10³/µL)

Carryover

WBC, RBC, HGB < 1%
PLT < 2%



Dimensions & Weight

420 mm x 510 mm x 420* mm
25* kg
(* expected)

Power Requirements

Input : 100-240 VAC, 50 to 60 Hz
Output : 24V - 6.67A - 160W

Accessories (Optional)

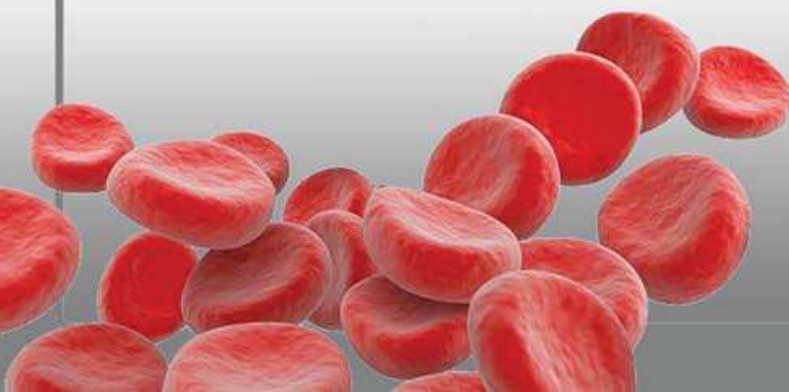
Standard «QWERTY» Keyboard
USB Barcode Reader
BW or Color Laser Printer Drivers
on request

Connections

7 USB Ports
Ethernet RJ45
Serial and LIS connections
Power Supply

Operating Environment

Working Temp. : 18-32°C
Relative Humidity : 80% at 32°C
Storage Temp. : -10°C to 50°C
Altitude : Up to 3000 meters



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