

Automated Hematology Analyzer

AD-3200 Plus

3-Part Double Chamber

Technical Specification

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-part differentiation of WBC, 21 parameters and 3 histograms

Principles: WBC/RBC/PLT: Electrical impedance
HGB: Photoelectric colorimetry

Aspiration Volume: Whole blood 8.5µL, pre-diluted 20µL

Aperture Diameter: WBC 100µm, RBC/PLT 68µm

Throughput: 70 samples per hour

Data Storage : Up to 100,000 sample results with histograms

Alarms: Error messages

Dilution Ratio: Whole blood Capillary blood

WBC/HGB 1:232 1:400

RBC/PLT 1:40000 1:45000

Display: 10.4-inch color LCD, resolution 800 x 600, touch screen optional

Control and Calibration: L-J, X, X-R, X-B four control modes, manual and auto-calibration

Input/output : Support RS232, 6 USB (mouse, keyboard, HP printer, Barcode reader and flash disk), Internal 57mm thermal printer

Power: AC 100-240V, 50/60Hz, 130-180VA

Dimension & Weight: 380mm (L), x 305mm (W) x 395mm (H), about 18kg

Automated Hematology Analyzer

3-Part Diff Analyzer

AD-3200 Plus



- ✓ **Constant** 70 Samples/hour
- ✓ **21 Parameters** & 3 Histograms
- ✓ **2 Reagent System** Diluent & Lyse

new version



- 21 parameters with P_LCC, P_LCR and RBC, WBC, PLT histograms
- Throughput up to 70 samples per hour with double chamber design
- Impedance method for WBC, RBC and PLT
- Photoelectric colorimetry method for HGB with cyanide free reagent
- Micro sample volume at 8.5µL for whole blood mode and 20µL for pre-dilute mode
- On board storage capacity of 100000 samples results
- Four kinds of QC modes: L-J, X, X-R and X-B
- Support USB data backup & system upgrade
- Build-in thermal printer
- LIS and HIS available with HL7 protocol

Cost-effective

- Tidy fluid system with low reagent consumption
- Only 2 reagents for sample testing

Low and Easy Maintenance

- Special self-checking function during initialization
- Auto clog removing by aperture cauterizing and flushing
- Error messages
- Openable front panel and side door

Nearly Perfect Software Function

- Friendly interface and illustrate icons
- On board storage up to 100,000
- L-J, X, X-R and X-B QC methods
- Support LIS and HIS
- Tailor-made multi-language operation system

Reliable Spare Parts Quality

- Well-known global spare parts suppliers
- High performance PCB board from fully automatic assembly line
- Individual quality control management for each single component

International Standard Certificate and Registration Documents

- ISO9001 & ISO13485
- CE, FSC, clinical test report, risk analysis report
- Others

Professional Technical Support

- 24 x 7 around-the-clock response
- Entire life cycle service solution
- Door-to-door service for complicated problems

Accurate and Precise Results

- Proven impedance measurement technology
- Auto internal & external cleaning for aspiration probe
- High precision syringes
- Internal preheating for diluent for every test
- 68 µm and 100 µm ruby apertures

Project number	Item	Mean	CV%
0001	WBC	5.6	5.07
0001	RBC	5.38	5.36
0001	PLT	17	6.96
0001	HGB	16.46	5.62
0001	HCT	38.24	6.52
0001	MCV	200	5.56

Easy to Use

- Large color LCD with high resolution
- Working status indicator light
- Mouse and keyboard connection by USB
- Internal storage of lyse

