

EG30

HEMATOLOGY ANALYZER





EG30 HEMATOLOGY ANALYSER

PARAMETER

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

3-part differentiation of WBC,
21 parameter and 3 histograms

PRINCIPLES OF OPERATION

WBC/RBC/PLT: electrical impedance
HGB: photoelectric colorimetry

ASPIRATION VOLUME

Whole blood 13 μ L, pre-diluted 20 μ L

APERTURE DIAMETER

WBC 100 μ m, RBC/PLT 68 μ m

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
800x600, touch screen optional

CONTROL AND CALIBRATION

L-J, 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 57 mm thermal
printer

POWER

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

DIMENSION & WEIGHT

415 mm (L) x 305 mm (H), about 18 Kg

TECHNICAL SPECIFICATIONS

- 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 13 μ L for whole blood mode and 20 μ L for pre-dilute mode
- On board storage capacity of 100,000 samples results
- RFID reagent close system optional
- 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

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
- 66 μ m and 100 μ m ruby apertures

COST-EFFECTIVE

- Tidy fluid system with low, reagent consumption
- Only 2 reagents for sample testing
- Flexible reagent packaging from original manufacturer
- 30+ reagent joint venture manufacturers worldwide

EASY TO USE

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

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