

Abacus Junior 30

3-PART WBC DIFFERENTIAL
ANALYZER



BENEFITS AND KEY FEATURES

ACCURATE AND PRECISE RESULTS

- Proven impedance measurement technology with advanced flagging
- Clog detection and prevention with automatic system cleaning processes
- Comprehensive 22 parameter results with 3 histograms

USER FRIENDLY AND EASY TO OPERATE

- Easy to use high resolution touch screen with multi-language operating menu
- Recording of sample and quality control information is fast and efficient
- 3 USB ports and 1 USB-B port allows simple connection with external devices such as a host computer and printers
- Comprehensive QC package to provide informative statistics

OPERATOR SAFETY

- Unique sample rotor to reduce risk of biohazard exposure
- Self-cleaning procedures minimize daily maintenance

CONFIDENCE

- System uses easy to understand warning messages and sample flags
- Analyzer uses precision electronics and mechanical components to provide precise and reliable results
- Designed to use specific Diatron reagents to deliver the highest quality results

SPECIFICATIONS

MEASURING DATA

- Throughput: 30 tests/hour
- Parameters: 22 hematology parameters, including 3-part differential: WBC, LYM, MON, GRA, LYM%, MON%, GRA%, RBC, HCT, MCV, HGB, MCH, MCHC, PLT, PCT, MPV, P-LCC, P-LCR, RDW-CV, RDW-SD, PDW-CV, PDW-SD

MEASURING PRINCIPLE

- Volumetric impedance method
- Light absorbance for HGB measurement

REAGENTS AND SAMPLING SYSTEM

Samples

- Sample volume: 25 µl of whole blood
- Sampling method: Open tube system with automatic sample rotor
- Calibration: Automatic or manual (WBC, HGB, RBC, PLT, MCV, RDW, MPV)

Reagents

- Environmentally friendly bulk Diluent and Cleaner reagents and cyanide-free Lyse reagent

QUALITY CONTROL

- 6 QC levels: 2 x 3 levels (L, N, H) of control
- QC parameters include mean, range, SD and CV for all measured and calculated parameters, Levey-Jennings charts of last 64 QC measurements

TECHNICAL FEATURES

- Data storage capacity: Maximum 10 000 results, including RBC, PLT, WBC 3-part histograms and full patient data
- Built-in thermal printer (B/W, 56 mm wide paper)
- Printer interface: USB with support for HP printers
- External keyboard and mouse

USAGE

- User interface: Color TFT touch screen
- User languages: English, German, French, Spanish, Italian, Portuguese, Indonesian, Czech, Polish, Vietnamese, Russian, Greek, Hungarian
- Software upgrade: USB memory stick
- Interfacing capabilities: 3 USB A on back, 1 USB A on front, 1 USB B for interfacing to PC
- Multi-user mode: Various privileges, limited access, unique passwords

DIMENSIONS

- Size (Width x Height x Depth): 32 cm x 37 cm x 27 cm
12" x 14" x 10"
- Weight: 10 kg, 21 lbs

OPTIONS

Barcode reader

- Optional with manual barcode scanner via USB port. It can read all common barcodes used for test requisition.

Marketed in India by :

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