

IDG H5PAS Hematology Analyzer



Features

60 test/hour

5-part laser WBC differential analyzer

Two (2) sampling modes:

Cap piercing mode for closed tube sampling and another for open tubes.

Autosampler



Technical Specifications

Measuring data

- Throughput - 60 tests/hour
- Parameters - CBC+5 DIFF mode, 2 histograms: RBC, PLT, 2 scattergrams: 4 diff, BASO, 26 parameters: WBC, LYM, MON, NEU, EOS, BAS, LYM%, MON%, NEU%, EOS%, BAS%, RBC, HCT, MCV, RDW-sd, RDW-cv, HGB, MCH, MCHC, PLT, PCT, MPV, PDW-sd, PDW-cv, P-LCC, P-LCR

Measuring principle

- Laser light scatter technology for 5-part WBC differential
- Impedance method for CBC: WBC (80 µm), RBC and PLT (70 µm)
- Light absorbance for HGB measurement

Reagents and Sampling System

Samples

- Sample volume - 110 µl of whole blood
- Closed and open tube sampling, optional autosampler
- Calibration - Stat & Autosampler mode, specific control material (external reference - optional)
- Pre-dilute software option for small samples

Reagents

- Environmentally friendly Diluent & Cleaner reagents and cyanide-free Lyse

Quality control

- Separate QC database
- Levey-Jennings graphs

Technical features

- Multiuser mode- Multilevel user modes with individual identification (username, password)
- Data storage capacity - 100,000 records
- Printout - External, Microsoft Windows compatible printers
- External keyboard - PS/2 or USB
- Interfacing capabilities - RS232, USB, Ethernet
- Software upgrade - via USB port (USB memory stick)
- Operating environment - Temperature: 15-30°C
- Relative humidity - max 80% (non-condensing)

Usage

- User interface - 600 x 800 color graphics LCD touch screen (10.4")
- Multilingual user interface English, French, Spanish, Croatian, Hungarian, Italian, Polish, Portuguese, Russian, Turkish, Chinese, German, Greek

Dimensions

- Size (Width x Depth x Height)
40 cm x 50 cm x 45 cm
16 in x 20 in x 18 in
- Weight: 35 kg, 77 lbs

Options

Autosampler

- Sample capacity -100 tubes: 10 racks with 10 sample tubes each
- Acceptable primary tubes - Monovette, Vacutainer, Vacuette
- Built-in barcode reader
- Built-in sample mixer
- Cap recognition (only capped tubes are mixed and processed)
- Size (Width x Depth x Height):
30 cm x 30 cm x 18 cm
12 in x 12 in x 7 in
- Weight: 10 kg, 22 lbs

Small sample module

- Aspirated sample only 25µl (standard 110µl)
- The module can either be added during manufacture or retro-fitted to analyzers already in the field.