

XT-1800i

Hematology is Fluorescent Flow Cytometry



Technologies	Fluorescence Flow Cytometry method: WBC-DIFF DC sheath flow method: RBC, HCT, PLT cyanide-free SLS method: HGB
Parameters	WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT, Neut %, Lymph %, Mono %, Eo %, Baso %, Neut #, Lymph #, Mono #, Eo #, Baso #, RDW-SD, RDW-CV, MPV
Throughput	80 samples/hour
Aspiration Volume	sampler or manual closed mode: 150 µL manual open mode: 85 µL capillary mode: 40 µL
Data Storage	10,000 samples (incl. graphics) 5,000 patients' information 1,000 selective test orders
Quality Control	comprehensive QC files including "current" and "new" lot feature 1 XbarM file with 300 data points online QC
Interfaces	host, line printer, graphic printer
Dimensions / Weights w x h x d [in]/[lbs]	Main unit: 20.5x24.8x19.7/114.6 Sampler: 20.5x8.7x4.3/15.4 Pneumatic unit: 11.2x14x15.8/35.3
Standard	rack sampler for 50 sample tubes hand-held bar code scanner

Success of excellence

- built on the modern fluorescent flow cytometry platform of the SYSMEX XE-2100
- reliable system requiring minimum maintenance (just one shut-down cycle/day)

Valuable information with diagnostic impact

- excellent WBC differential with low review rate due to fluorochrome staining of cells
- accurate RBC and PLT count determined by a hydrodynamic focusing system
- cumulative patient data and Delta Check

Easy to use

- Windows® 2000 graphical user interface
- Q-FLAGS for quantitative flagging, adjustable according to laboratory needs
- comprehensive software programs for internal and external quality control on board

Cost effective

- two random access selective test profiles (CBC, CBC/DIFF)
- real time bi-directional Host communication
- network capability for integration into a productive laboratory environment

Flexible

- Information Processing Unit (IPU) with customizable display
- optional components for flexible configurations

Design and specifications may be subject to change due to further product development

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