balio

diagnostics

OX 580

Hematology Analyzer 5-Populations with Sample Loader

OX - 580

AUTOMATIC & INTELLIGENT

Auto-control display: operational status and reagent detection levels.

Internal mixing system.

One button for troubleshooting and automatic standby mode.

Sample loader with continuous loading.

DATA MANAGEMENT SYSTEM

Multiple alarms providing information on the analyzer's status and the possibility of user-defined alarms.

Customizable print formats with assistance for final report customization.

Bi-directional LIS connection.

Quality control and calibration management.

- 29 PARAMETERS

- 3D SCATTERGRAM

- LARGE LINEARITY

- 80 TESTS PER HOUR

60 SAMPLES

Simultaneous loading of 60 samples, with continuous sample loading capability.

SAMPLE TYPES

Several sample types are available: capillary blood, venous blood, and pre-diluted blood.
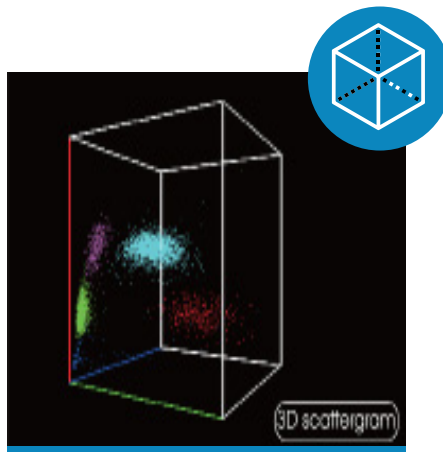
OPEN & CLOSED

The OX - 580 accepts both open and closed tubes. The "STAT" function, allowing for urgent sample analysis, is available in automatic mode.

80 TESTS PER HOUR

The OX - 580 offers a throughput of 80 tests per hour with automatic sample mixing.

3D SCATTERGRAM

With the 3D scattergram, the interpretation of the 5 populations' results is more precise, allowing for better identification of abnormal cells.

EASY TO USE

With a single button to start the analysis and needle cleaning at the end of the day, the OX - 580 simplifies daily operations.

OX - 580
TECHNICAL SPECIFICATIONS

PARAMETERS

29 parameters: GB, LYMN%, LYMN, NEU%, NEU, MON%, MON, EO%, EO#, BAS%, BAS#, GR, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, PDW, MPV, PCT, PLCR, PLCC, including 4 research parameters: ALY%, ALY#, LIC%, LIC#.

1 scattergram 3D.
3 scattergrams 2D .
3 histograms.

PRINCIPLES

Triple-angle laser for flow cytometry (GB-DIFF).
Independent Optical Reading for Basophils
Impedance method (GB - GR - PLT).
Independent Basophil Reading
Colorimetry (HGB), cyanide-free reagents.

TEST MODES

CBC and CBC + Diff.
Manual and automatic modes

SAMPLE TYPES

Venous blood, capillary blood, and pre-diluted samples.

CADENCE

80 samples per hour.
Up to 90 per hour in CBC mode.

SAMPLE VOLUME

≤ 20 µL.

MEMORY

Up to 100,000 results.
Transfer via bidirectional LIS connection.

SAMPLE LOADER

60 positions, closed tubes, integrated mixer, continuous loading.

POWER SUPPLY

100V-240V, ≤ 250 VA, 50/60 Hz.

DIMENSIONS

650mm(l) x 610mm(L) x 550mm(h).

NET WEIGHT

59 Kg.

OPERATING ENVIRONMENT

Temperature: 15°C–30°C; Humidity: 30%–85%;
Atmospheric pressure: 70 kPa–106 kPa.

REPEATABILITY

WBC ≤ 2.0 %
HGB ≤ 1.5 %
MCV ≤ 1.0 %
RBC ≤ 1.5 %
PLT ≤ 4.0 %

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