

balio  
diagnostics



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# OX - 580

**5-part diff auto hematology analyzer with autoloader**

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## FULLY AUTOMATED AND SMART



Visual self-tests (working status self-test and reagent volume self-detection)



Internal mixing system



One button error removal and automatic standby mode function



Autoloader with continuous sample loading

## DATA MANAGEMENT SYSTEM.



Numerous alarms indicating the analyzer's status. Possibility of personalized alarms .



Customized templates print and help to customize the final report.



Bi-directional LIS connection.



QC and calibration management.



•29 PARAMETERS

•3D SCATTERGRAM

•WIDE LINEARITY

•80 SAMPLES PER HOUR



60

## UP TO 60 SAMPLES

Loading up to 60 samples simultaneously with possibility of continuous samples loading.



## SAMPLE TYPES

OX - 580 offers multiple sample types : capillary blood, venous blood and pre-diluted..



## CLOSED & OPEN

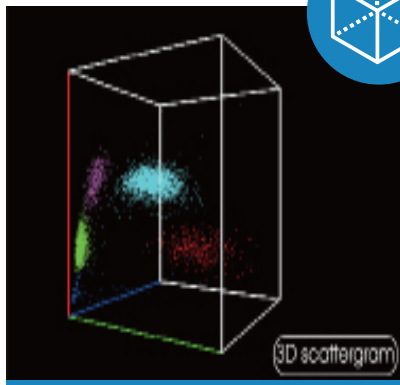
The OX - 580 allows closed and open vials modes. STAT function is available for urgent tests in automatic mode.



80

## 80 TESTS/HOUR

80 tests per hour can be performed and the auto sample mixing is available.



## 3D SCATTERGRAM

Thanks to the 3D scattergram, the reading of 5 part results is more precise allowing a better identification of abnormal cells.



## EASY TO USE

With only one button to launch the analysis procedure and just the cleaning of the probe at the end of the day, OX - 580 helps the daily operations.

# OX - 580

## TECHNICAL SPECIFICATIONS

### PARAMETERS.

229 parameters: WBC, LYM%, LYM#, NEU%, NEU#, MON%, MON#, EOS%, EOS#, BAS%, BAS#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, PDW, MPV, PCT, P-LCR, P-LCC and 4 research parameters : ALY#, ALY%, LIC#, LIC%.

1 3D scattergram

1 2D Scattergram

3 histograms

### PRINCIPLES.

Flow cytometry using 3 - angle laser scatter (WBC, WBC-DIFF)

Impedance method (WBC - RBC - PLT),

WBC counting is performed by impedance and flow cytometry colorimetry (HGB). Cyanide free reagents

### TESTS MODES.

CBC and CBC + Diff.

### SAMPLE TYPES.

Venous blood, capillary blood and pre-diluted.

### THROUGHPUT.

80 tests per hour

Up to 90 tests per hour in CBC mode

### SAMPLE VOLUME.

≤ 20 µL.

### MEMORY STORAGE.

100 000 results,

Bi-directional LIS transfer.

### POWER REQUIREMENT.

100V-240V, ≤ 250 VA, 50/60 Hz.

### DIMENSIONS.

650mm(L) x 610mm(W) x 550mm(H).

### NET WEIGHT.

59 Kg.

### OPERATIONAL ENVIRONMENT.

Temperature : 15°C-30°C ; RH% = 30%-85%,

Atmospheric pressure : 70kPa – 106kPa

### REPEATIBILITY.

WBC ≤ 2.0 %

HGB ≤ 1.5 %

MCV ≤ 1.0 %

RBC ≤ 1.5 %

PLT ≤ 4.0 %

Reference	Designation
OX580	Auto Hematology Analyzer OX - 580
OX58L0050	LYA-1 Lyse 580.5
OX58L0051	LYA-2 Lyse 580.51
OX58L0010	LYA-3 Lyse 580.1
OX50C0005	CLE-P Cleanser 500.05
OX58D2000	DIL-A Diluent 580.20