

balio  
diagnostics



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OX - 580

**AUTO HEMATOLOGY ANALYZER**

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# OX - 580



- 29 PARAMETERS
- 3D SCATTERGRAM
- WIDE LINEARITY
- 80 SAMPLES PER HOUR

## FULLY AUTO INTELLIGENT



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



Automatic test re-run, with re-run rules inside



One button error removal and automatic standby mode function



Intelligent WBC - RBC - PLT floating threshold technology

## DATA MANAGEMENT SYSTEM



A wide range of pathological alarms and up to 20 user-defined alarms ranges.



Customized templates print and help to customize the final report according to requirements



Bi-directional LIS connection



QC and calibration management





## UP TO 60 SAMPLES

Loading up to 60 samples simultaneously and support continuous samples loading.



## COUNTING MODES

OX - 580 offers multiple counting modes : capillary blood, venous blood and pre-diluted.



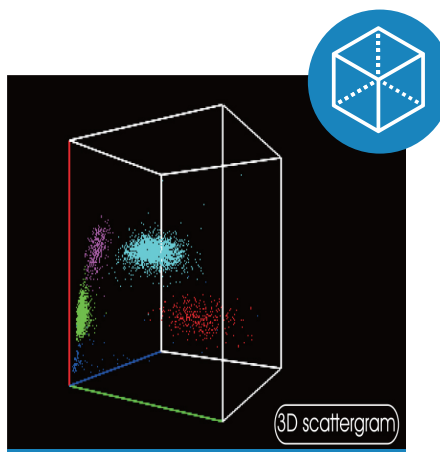
## CLOSED & OPEN

The OX - 580 allows closed and open vials modes. STAT function is available.



## 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.

29 parameters are provided including 25 report 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,  
3 2D Scattergrams,  
3 histograms.

### PRINCIPLES.

3 - angle semiconductor laser scatter, flow cytometry (WBC Diff),  
Impedance method (WBC - RBC - PLT),  
Cyanide Free (HGB).

### TESTS MODES.

CBC and CBC + Diff.

### COUNTING MODES.

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.

Up to 100 000 results,  
Bi-directional LIS transfer.

### REAGENTS.

Diluent 580.20, Lyse 580.5, Lyse 580.51, Lyse 580.1

### POWER REQUIREMENT.

100V-240V, ≤ 250 VA, 50/60 Hz.

### DIMENSIONS.

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

### NET WEIGHT.

56 Kg.

### LINEARITY RANGE.

WBC (0.00-300.00) x 10<sup>9</sup>/L  
HGB (0-250) g/L  
HCT 0.0-67.0 %  
RBC (0.00-8.50) x 10<sup>12</sup>/L  
PLT (0-3000) x 10<sup>9</sup>/L

### REPEATIBILITY.

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