

# Counter 31<sup>AL</sup>

5-part differential auto hematology analyzer



Total automation  
at your reach



Technical support



[www.wiener-lab.com](http://www.wiener-lab.com)

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G R O U P

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5-part differential auto hematology analyzer

## Technical features

### Principles

Impedance method for WBC/BAS, RBC and PLT counting  
Cyanide free reagent for hemoglobin test  
Flow Cytometry (FCM) + Laser scatter + Chemical dye method for WBC differential analysis

### Parameters

21 parameters: WBC, LYM (#,%), NEU (#,%), MON (#,%), EOS (#,%), BAS (#,%), RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV  
10 research parameters: ALY (#,%), LIC (#,%), NRBC (#,%), PDW, PCT, PLCC, P-LCR  
3 Histograms and 1 scattergram.

### Analysis Mode

Autoloader Whole Blood Mode  
Closed Whole Blood Mode  
Closed Predilute Mode

### Throughput

Up to 60 samples per hour with autoloader  
Up to 51 samples per hour with closed mode  
Up to 53 samples per hour with predilute mode

### Sample volume

Whole Blood CBC+DIFF: 33  $\mu$ L  
Whole Blood CBC: 24  $\mu$ L  
Prediluted mode: 20  $\mu$ L

### Test Panel

CBC  
CBC+DIFF

### Performance

Parameter	Linearity range	Precision	Carryover
WBC	0.3-200 x 10 <sup>9</sup> /L	≤ 0.15 (SD) or 3.0% (CV%)	≤ 1.0%
RBC	0.2-8.0 x 10 <sup>12</sup> /L	≤ 1.5%	≤ 1.0%
HGB	0.5-25 g/dL	≤ 1.5%	≤ 1.0%
HCT	2 -75 %	≤ 2.0%	≤ 1.0%
PLT	5-2000 x 10 <sup>9</sup> /L	≤ 7.5 (SD) or 5.0% (CV%)	≤ 1.0%

### Data Storage Capacity

Up to 100.000 results (including numeric and graphical information).

### Communication

LAN Port supports HL7 protocol.

### Operating environment

Temperature: 15 °C-30°C  
Humidity: 30-85%  
Air pressure: 70-106 kPa

### Power Requirement

A.C.100-240V ≤ 300VA 50/60Hz

### Dimension and Weight

Dimension: 523 mm (height) x 569 mm (width) x 589 mm (depth)  
Weight: 60kg



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