



ES-HEM-300

Automatic Hematology Analyzer



LABORATORY



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ES-HEM-300

Automatic Hematology Analyzer



3-part 23 parameters touch screen hematology analyzer

ES-HEM-300 touch screen Hematology Analyzer is a 3-part differential of WBC blood cell counter. It is advantaged at digital technology, auto-relocation separatrix, intelligent flush clog, dual measuring technology (with time and volume) to ensure precise of the test results.

Automated & User-friendly Interface

- Auto sampler
- 10.4" LCD display with the test items, reference value and three histograms
- Color Windows operating system
- Easy to search and edit patient information
- Storage capacity: 35000 sample results inclusive of histograms
- Optional printout formats
- Real time guideline for easy operation
- Automatic alarm for inadequate reagents and fully enclosed reagent tubing



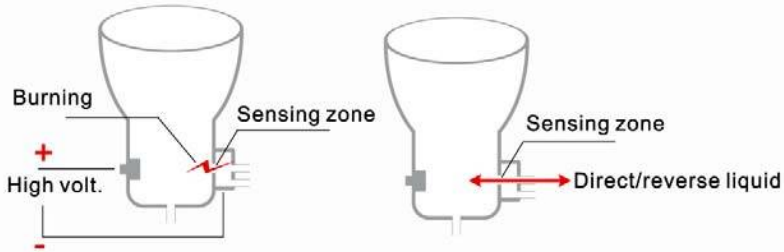
USB printer supported



35,000 records & data export



Accurate Results & Low Sample Consumption



High voltage burn, soaking and flush clog with real time monitor

- Venous mode: 9.6ul
- Capillary mode: 9.6ul
- Pre-diluted mode: 13ul

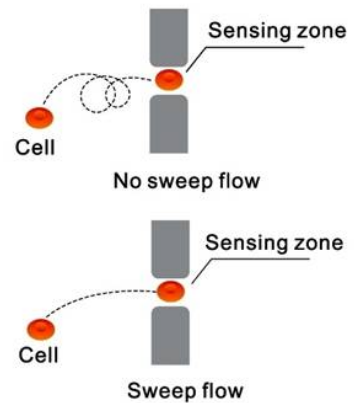
Easy Maintenance & Environment-friendly System

- Adjustable sample probe for various cuvettes
- With liquid sensor to alarm low reagent
- Cyanide-free Lyse
- Automated & Systematic diagnosis and maintenance with alerts
- Liquid tubing and electronic circuit separately for easy maintenance
- Closed reagent tubing to avoid contamination

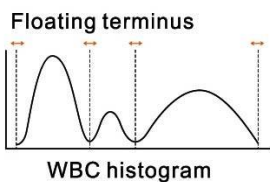


Advanced Technology

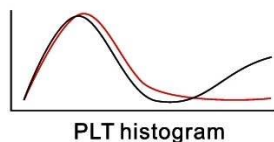
- Calibration mode: manual and auto
- QC mode: L-J, \bar{X} , X-B, SD, CV, QC histogram
- Unique sweep flow technology to avoid recounting
- Auto-relocation separatrix to exact the differential of WBC
- Intelligent PLT histogram fit technology to improve the precision of PLT
- Auto sample probe cleaning
- Auto standby and wakeup
- High voltage burn, soaking and flush clog with real time monitor



23 parameters



Auto-relocation separatrix to exact the differential of WBC



Intelligent PLT histogram fit technology to improve the precision of PLT

WBC, LYM#, MID#, GRAN#, LYM%, MID%, GRAN%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW, PCT, P-LCR, WBC Histogram, RBC Histogram, PLT Histogram



Technical Features

Principle	Electrical resistance for counting, hemoglobin-cyanide method and SFT method for hemoglobin																		
Parameters	3-part differential of WBC; 20 parameters + 3 color histograms (WBC/RBC/PLT)																		
Sample mode Consumption	Venous Mode: 9.6μL, Capillary Mode: 9.6μL, Pre-diluted Mode: 13μL																		
Working Mode	Double chamber counting detection + independent HGB measurement system; 24 hours with auto standby																		
Operation Mode	Keyboard and mouse, Based on Windows, Multi-language supported																		
Throughput	60 samples/hour																		
Storage	35000 sample results include of histograms																		
QC mode	L-J, SD, CV, QC histogram																		
Cross Contamination Ratio	WBC/RBC/HGB<0.5%, PLT<1%																		
Performance	<table border="1"> <thead> <tr> <th>Parameter</th> <th>Repeatability (CV %)</th> <th>Linear Range</th> </tr> </thead> <tbody> <tr> <td>WBC</td> <td>≤2.5%</td> <td>0.00-99.9×10⁹/L</td> </tr> <tr> <td>RBC</td> <td>≤2.0%</td> <td>0.00-9.99×10¹²/L</td> </tr> <tr> <td>HGB</td> <td>≤1.5%</td> <td>0-300g/L</td> </tr> <tr> <td>MCV</td> <td>≤0.4%</td> <td>40-150fL</td> </tr> <tr> <td>PLT</td> <td>≤5.0%</td> <td>0-999×10⁹/L</td> </tr> </tbody> </table>	Parameter	Repeatability (CV %)	Linear Range	WBC	≤2.5%	0.00-99.9×10 ⁹ /L	RBC	≤2.0%	0.00-9.99×10 ¹² /L	HGB	≤1.5%	0-300g/L	MCV	≤0.4%	40-150fL	PLT	≤5.0%	0-999×10 ⁹ /L
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Display	10.4" LCD touch screen																		
Reference Value	Baby, Kid, Woman, Man, Normal and Customization																		
Interface	2 x USB, 2 x PS/2 interfaces, 1 x VGA (external monitor) 2 x RS-232																		
Printer	Built-in thermal recorder, optional external printer, eight report formats																		
Environment Requirement	Temperature: 15°C~35°C; Humidity: 10%-80%;																		
Power supply	AC100-240V 50/60Hz																		

Standard Regents (also available as optional)

- 1 x Concentrated Cleaner 500ml
- 1 x LYSE 500ml
- 1 x Cleaner 2L
- 1 x Diluent 5L
- 1 x Strong Cleaner 100ml



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