



## HEMATOLOGY ANALYZERS CATALOG

Values your health, values your life



# **EH 360** | AUTOMATIC HEMATOLOGY ANALYZER

is designed as an innovative and highly accurate  
3-diff hematology analyzer, aimed at delivering  
unique excellence in sample results.



**STABLE**

**ACCURATE**

**RELIABLE**

**EXCELLENT  
PERFORMANCE**



### EXCELLENT DATA MANAGEMENT

50,000 records with  
3 histograms Bi-directional  
LIS with LAN port



### SAVING SPACE SMALL FOOTPRINT

Built-in lyse  
position



### CONVENIENT OUTPUT/INPUT

Internal & external  
print 4 USB ports for  
external devices



### BARCODE SYSTEM

Unique barcode and  
reagent management  
simplifies laboratory work

## SPECIFICATIONS

<b>Parameters</b>	<b>21 reportable parameters:</b> WBC, Gran#, Lym#, Mid#, Gran%, Lym%, Mid%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC <b>3 histograms</b> for WBC, RBC and PLT			<b>Throughput</b>	Up to 60 tests per hour
<b>Principles</b>	<ul style="list-style-type: none"> <li>Electrical Impedance method for WBC, RBC and /PLT tests</li> <li>Cyanide free colorimetry for HGB test</li> </ul>			<b>Sample Volume</b>	9 $\mu$ L
<b>Reagent</b>	Plasma Diluent EH (20 L); Stromalyse EH (500 mL)			<b>Storage</b>	Up to 50,000 records
<b>Sample Mode</b>	Whole blood, Capillary blood and Pre-Diluted			<b>Linearity Range</b>	WBC: 0.00-300 $\times 10^9$ /L RBC: 0.00-8.50 $\times 10^{12}$ /L HGB: 0-250g/L PLT: 0-3000 $\times 10^9$ /L HCT: 0.0 -67%
<b>Repeatability</b>	WBC $\leq 2.0\%$ (7.0-15.0 $\times 10^9$ /L) $\leq 3.5\%$ (4.0-6.9 $\times 10^9$ /L) RBC $\leq 1.5\%$ (3.50-6.50 $\times 10^{12}$ /L) HGB $\leq 1.5\%$ (100-180g/L) MCV $\leq 0.5\%$ (70.0-110fL) PLT $\leq 4.0\%$ (150-500 $\times 10^9$ /L) $\leq 5.0\%$ (100-149 $\times 10^9$ /L)			<b>Net Weight</b>	26 kg
<b>Display</b>	10.4 inches TFT touch screen			<b>Data Transmission</b>	Bi directional LIS with LAN port
<b>Dimension</b>	364mm(W)-477mm(H)-417mm(D)			<b>Power Requirement</b>	100V-240V ~, 50/60Hz

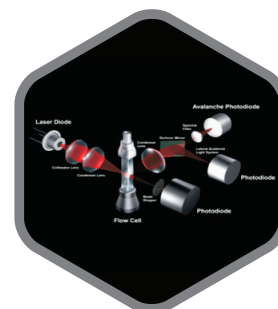
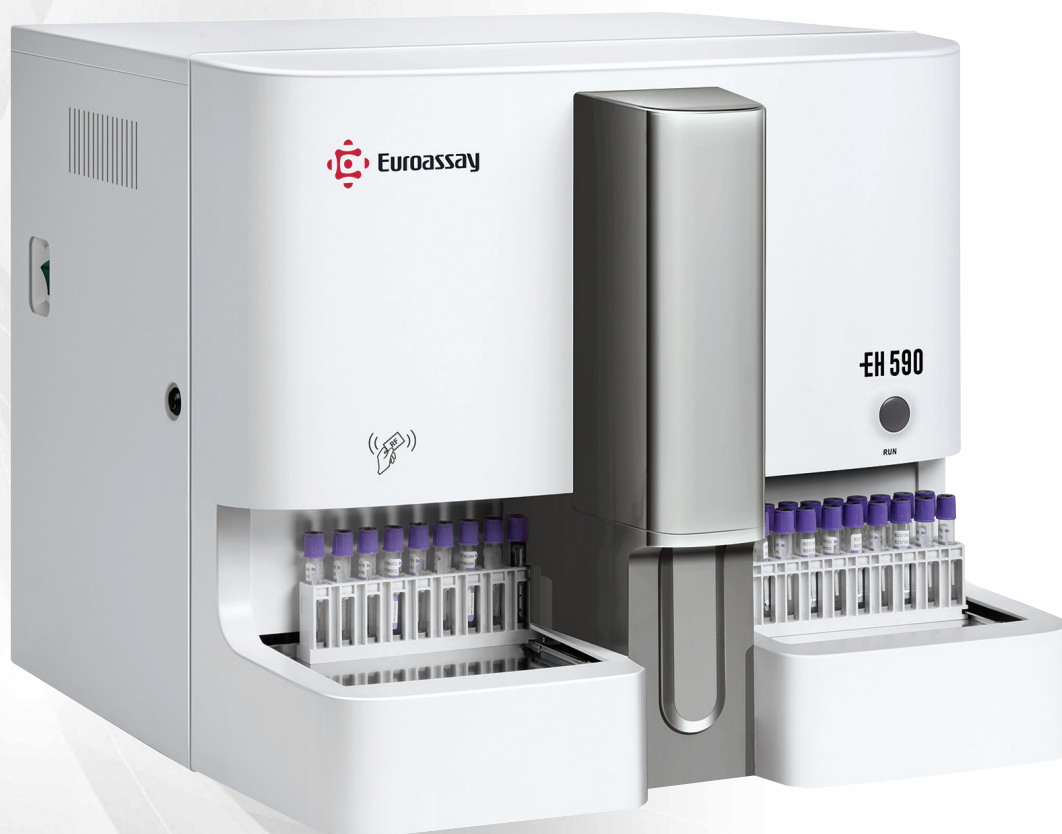
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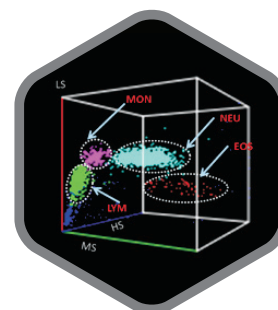
# EH 590

AUTOMATIC  
HEMATOLOGY  
ANALYZER

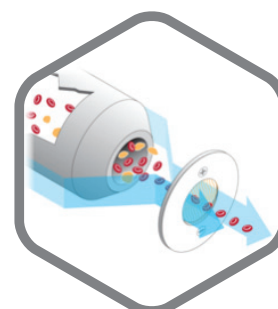
ensure a reliable instrument performance with stringent material selection and intelligent design of system components.



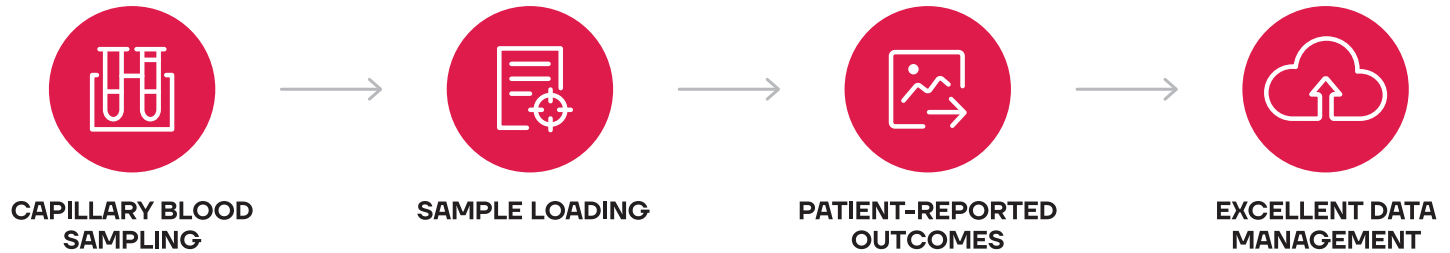
Tri-angle Laser Scatter



Rotatable 3D Scattergrams



Advanced Flow Cytometry



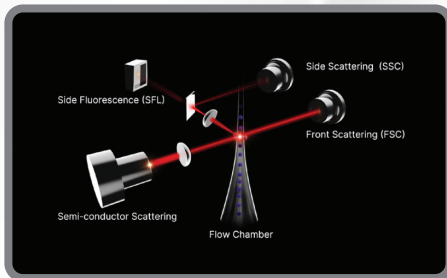
## SPECIFICATIONS

<b>Parameters</b>	<b>25 reportable parameters:</b> WBC, Neu#, Lym#, Mon#, Eos#, Bas#, Neu%, Lym%, Mon%, Eos%, Bas%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC <b>4 research parameters:</b> ALY#, ALY%, LIC#, LIC% <b>3 histograms</b> for WBC, RBC and PLT <b>One 3D scattergrams and three 2D scattergrams</b> for WBC differentiation			<b>Throughput</b>	Up to 90 tests per hour
<b>Principles</b>	<ul style="list-style-type: none"> <li>Electrical Impedance method for WBC/BAS count and RBC/PLT tests</li> <li>Cyanide free colorimetry for HGB test</li> <li>Laser-based flow cytometry for WBC differentiation</li> </ul>			<b>Sample Volume</b>	20 $\mu$ L
<b>Reagent</b>	Plasma Diluent 590 (20 L); Lyse EH 1 (500 mL); Lyse EH 2 (500 mL); Lyse EH 3 (1000 mL)			<b>Storage</b>	Up to 100,000 records
<b>Sample Mode</b>	Whole blood, Capillary whole blood and Pre-diluted			<b>Linearity Range</b>	WBC: 0.00-300 x 10 <sup>9</sup> /L RBC: 0.00-8.50 x 10 <sup>12</sup> /L HGB: 0-250g/L <div>PLT: 0-3000 x 10<sup>9</sup>/L HCT: 0.0 -67%</div>
<b>Repeatability</b>	WBC $\leq$ 2.0%(4.0-15.0 x 10 <sup>9</sup> /L) RBC $\leq$ 1.5%(3.5-6.0 x 10 <sup>12</sup> /L) HGB $\leq$ 1.5%(110-180g/L) <div>             MCV <math>\leq</math>1%(70-120fL)              PLT <math>\leq</math>6.0%(100-149x 10<sup>9</sup>/L)  <math>\leq</math>4.0%(150-500 x 10<sup>9</sup>/L)           </div>			<b>Net Weight</b>	57.5 kg
<b>Dimension</b>	650mm(W)-550mm(H)-610mm(D)			<b>Data Transmission</b>	Support bi-directional LIS
				<b>Power Requirement</b>	100V ~ 240V, 50/60Hz, $\leq$ 250VA

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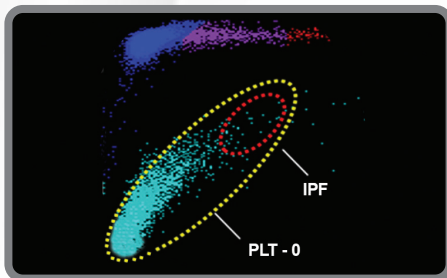
# EH 6100 | AUTOMATIC HEMATOLOGY ANALYZER

Comprehensive, High - quality Hematology Solutions



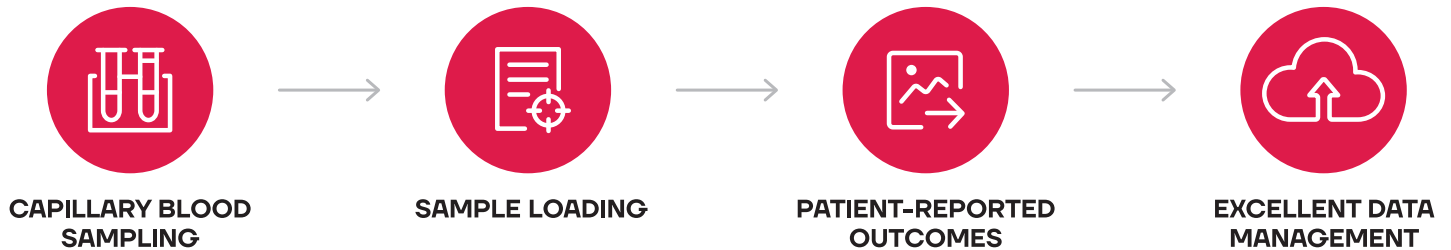
## CBC + DIFF / RET:

Semi-conductor Laser scattering & Fluorescent method & Flow cytometry method  
WBC/RBC/PLT counting: Impedance method  
HGB: Cyanide-free colorimetry method



Comprehensive technologies for PLT with impedance & optical method





## SPECIFICATIONS

<b>Parameters</b>	<b>35 reportable parameters:</b> WBC, Neu#, Lym#, Mon#, Eos#, Bas#, IG#, Neu%, Lym%, Mon%, Eos%, Bas%, IG%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC, IPF, RET#, RET%, LFR, MFR, HFR, IRF, RHE <b>29 research parameters:</b> <b>Two 3D scattergrams &amp; Eight 2D scattergrams &amp; Three histograms</b>		
<b>Principles</b>	<ul style="list-style-type: none"> <li>• CBC+DIFF/RET: Laser scattering &amp; Fluorescent method &amp; Flow cytometry method</li> <li>• WBC/RBC/PLT counting: Impedance method</li> <li>• HGB: Cyanide-free colorimetry method</li> </ul>		
<b>Reagent</b>	Plasma Diluent-N (20 L); Plasma Diluent-R (1000 mL); Lyse-G (500 mL); Lyse-D (1000 mL); EH 6100 FDN-D (22 mL); EH 6100 FDN-R (12 mL)		
<b>Sample Mode</b>	Venous whole blood, capillary blood		
<b>Repeatability</b>	<div style="display: flex; justify-content: space-between;"> <div> WBC <math>\leq 2.5\%</math> (<math>4.0-15.0 \times 10^9/L</math>)  RBC <math>\leq 1.5\%</math> (<math>3.5-6.0 \times 10^{12}/L</math>)  HGB <math>\leq 1.0\%</math> (110-180g/L) </div> <div> HCT <math>\leq 1.5\%</math> (30.0-50.0)  MCV <math>\leq 1\%</math> (70-120fL)  PLT <math>\leq 4.0\%</math> (<math>100-500 \times 10^9/L</math>) </div> </div>		
<b>Display</b>	12.1 inches color screen		
<b>Dimension</b>	665mm(W)-870mm(H)-820mm(D)		
<b>Throughput</b>	Up to 100 tests per hour		
<b>Sample Volume</b>	CBC: 20ul; CBC+DIFF: 30ul; CBC+DIFF+RET: 35ul (Whole blood)		
<b>Storage</b>	Up to 150,000 records		
<b>Linearity Range</b>	<div style="display: flex; justify-content: space-between;"> <div> WBC: 0.00-500 <math>\times 10^9/L</math>  RBC: 0.00-8.60 <math>\times 10^{12}/L</math>  HGB: 0-260g/L </div> <div> HCT: 0.0-75.0 %  PLT: 0-5000 <math>\times 10^9/L</math>  HCT: 0-30.0 % </div> </div>		
<b>Net Weight</b>	100 kg		
<b>Data Transmission</b>	Bi-directional LIS supported		
<b>Power Requirement</b>	AC 100V ~ 240V (50-60Hz)		

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Euroassay Hematology Analyzers are designed for excellent performance, high reliability, and streamlined automation, making them easy to use while ensuring effective patient care and quality control (QC).

**All of these features are geared towards optimizing laboratory operations and ultimately leading to better patient outcomes.**



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