HEMATOLOGY ANALYZERS CATALOG
Values your health, values your life
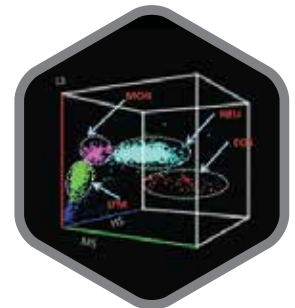
Euroassay

EH 590
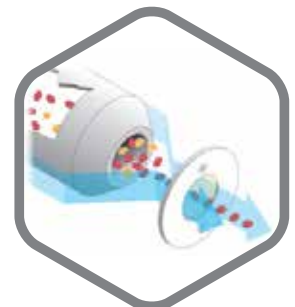AUTOMATIC
HEMATOLOGY
ANALYZER

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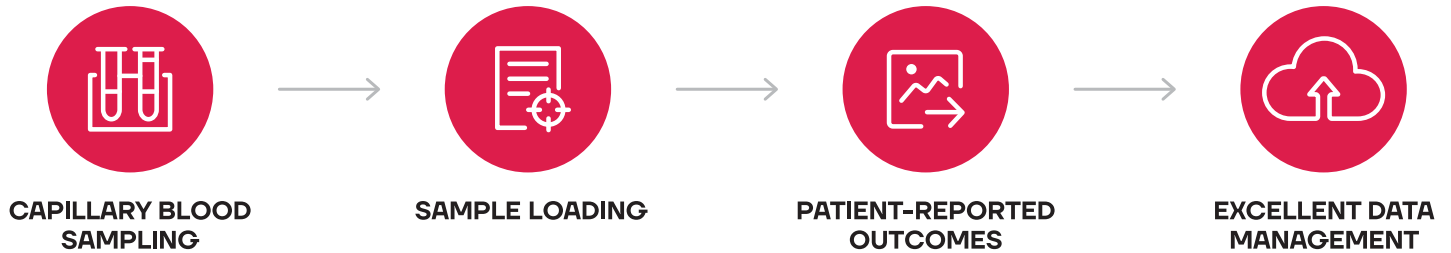

Tri-angle Laser Scatter

Rotatable 3D Scattergrams

Advanced Flow Cytometry

![Euroassay logo]

CAPILLARY BLOOD SAMPLING → **SAMPLE LOADING** → **PATIENT-REPORTED OUTCOMES** → **EXCELLENT DATA MANAGEMENT**

SPECIFICATIONS

Parameters	**25 reportable parameters:** 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 **4 research parameters:** ALY#, ALY%, LIC#, LIC% **3 histograms** for WBC, RBC and PLT **One 3D scattergrams and three 2D scattergrams** for WBC differention
Principles	• Electrical Impedance method for WBC/BAS count and RBC/PLT tests • Cyanide free colorimetry for HGB test • Laser-based flow cytometry for WBC differentiation
Reagent	Plasma Diluent 590 (20 L); Lyse EH 1 (500 mL); Lyse EH 2 (500 mL); Lyse EH 3 (1000 mL)
Sample Mode	Whole blood, Capillary whole blood and Pre-diluted
Repeatability	WBC ≤2.0%(4.0-15.0 x 10^9/L) MCV ≤1%(70-120fL) RBC ≤1.5%(3.5-6.0 x 10^{12}/L) PLT ≤6.0%(100-149x 10^9/L) HGB ≤1.5%(110-180g/L) ≤4.0%(150-500 x 10^9/L)
Dimension	650mm(W)-550mm(H)-610mm(D)

|	
Throughput	Up to 90 tests per hour
Sample Volume	20 µL
Storage	Up to 100,000 records
Linearity Range	WBC: 0.00-300 x 10^9/L PLT: 0-3000 x 10^9/L RBC: 0.00-8.50 x 10^{12}/L HCT: 0.0 -67% HGB: 0-250g/L
Net Weight	57.5 kg
Data Transmission	Support bi-directional LIS
Power Requirement	100V ~ 240V, 50/60Hz, ≤250VA

EH 6100

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
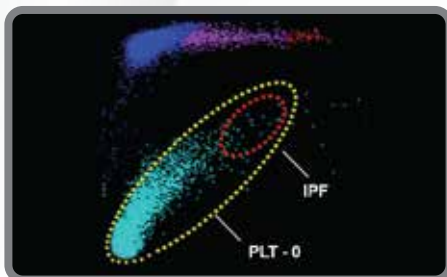
Comprehensive technologies for
PLT with impedance & optical method

CAPILLARY BLOOD SAMPLING → **SAMPLE LOADING** → **PATIENT-REPORTED OUTCOMES** → **EXCELLENT DATA MANAGEMENT**

SPECIFICATIONS

Parameters	**35 reportable parameters:** 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 **29 research parameters:** **Two 3D scattergrams & Eight 2D scattergrams & Three histograms**
Principles	• CBC+DIFF/RET: Laser scattering & Fluorescent method & Flow cytometry method • WBC/RBC/PLT counting: Impedance method • HGB: Cyanide-free colorimetry method
Reagent	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)
Sample Mode	Venous whole blood, capillary blood
Repeatability	WBC ≤2.5%(4.0-15.0 x 10⁹/L) HCT ≤1.5%(30.0-50.0) RBC ≤1.5%(3.5-6.0 x 10¹² /L) MCV ≤1%(70-120fL) HGB ≤1.0%(110-180g/L) PLT ≤4.0%(100-500x 10⁹/L)
Display	12.1 inches color screen

Dimension	665mm(W)-870mm(H)-820mm(D)
Throughput	Up to 100 tests per hour
Sample Volume	CBC: 20ul; CBC+DIFF: 30ul; CBC+DIFF+RET: 35ul (Whole blood)
Storage	Up to 150,000 records
Linearity Range	WBC: 0.00-500 x 10⁹/L HCT: 0.0-75.0 % RBC: 0.00-8.60 x 10¹²/L PLT: 0-5000 x 10⁹/L HGB: 0-260g/L HCT: 0-30.0 %
Net Weight	100 kg
Data Transmission	Bi-directional LIS supported
Power Requirement	AC 100V ~ 240V (50-60Hz)

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.