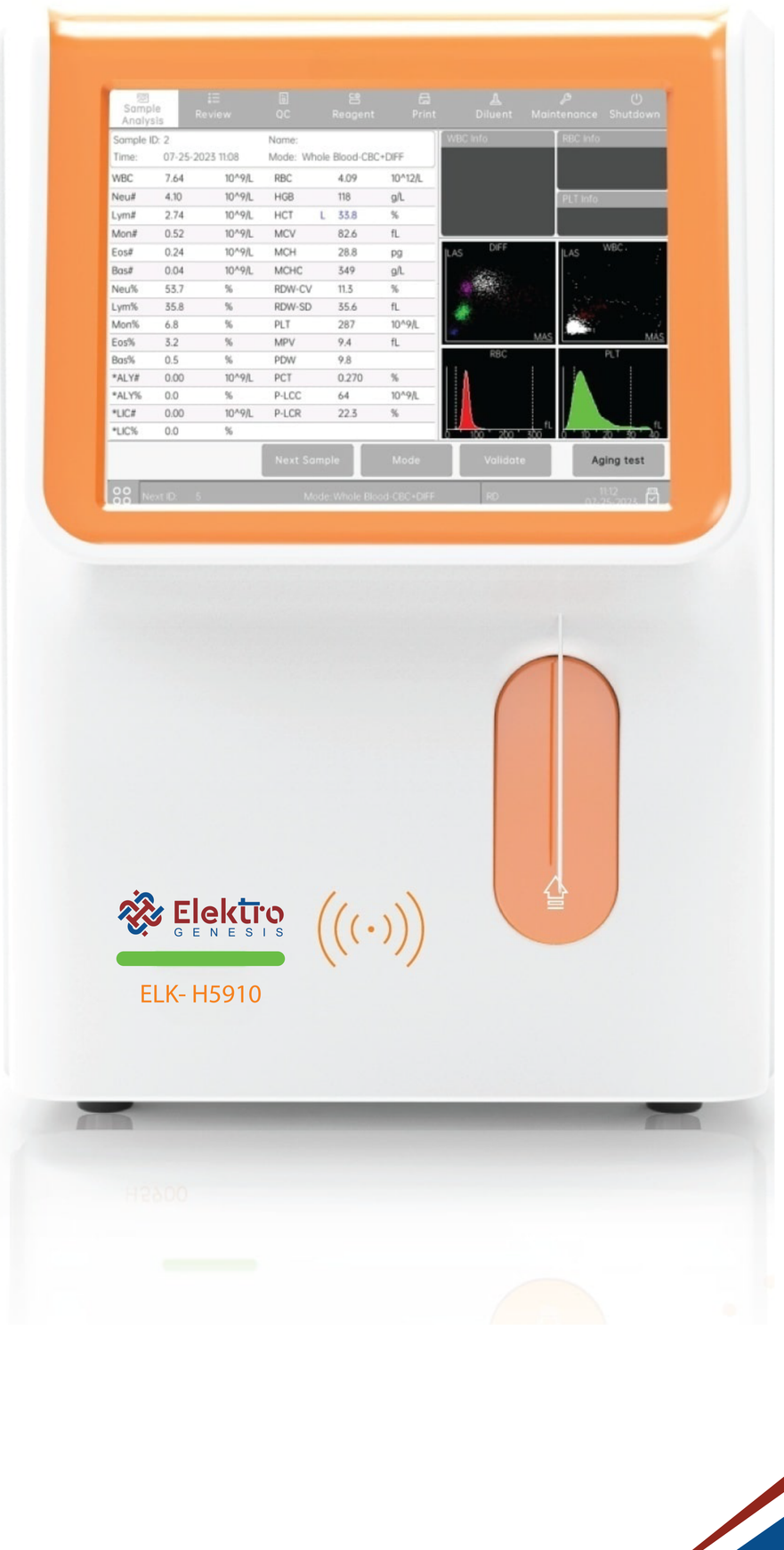
Elektro GENESIS

Cherish your life, Cherish your health!

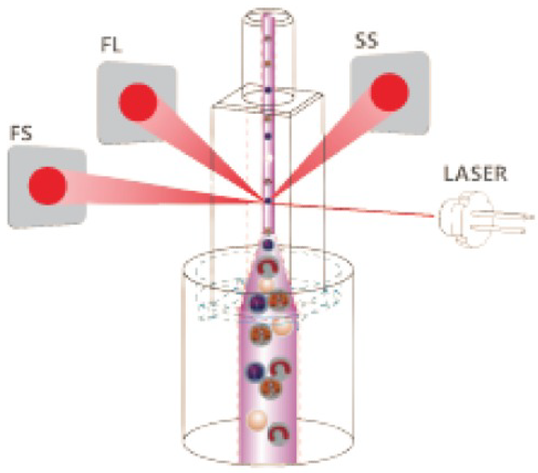
ELK-H5910

AUTO 5-PART HEMATOLOGY ANALYZER



Principle

- Tri-angle laser scatter + flow Cytometry + impedance method for WBC.
- The 5 part differentiation of the white blood cell can be precisely done by collecting the optical signal when WBC pass through the laser beam.
- The front small-angle optical signal can reflect the information of the cell size.
- The front large-angle optical signal can reflect the information of nucleus' structure and complexity.
- The side angle optical signal can reflect the information of granularity complexity.



Premium large touch screen

- High-definition colordisplay,
- Sensitive touch,
- Support the operation ofrubber gloves.

SMART-FLOW fluidic patent technology

- The creative SMART-FLOW fluidic technology is a simple and efficient system, which makes ELK-H5910 with good reliability and free of maintenance.

Accurate measurement for low value PLT

- Advanced Sweep-Flow technology guarantees low PLT samples counted precisely.

Low volume sample consumption

- CBC+DIFF mode ≤20ul, Ideal choice for pediatrics and geriatrics.

Low running cost

- Only three reagents needed for the test, low reagent consumption for single test.

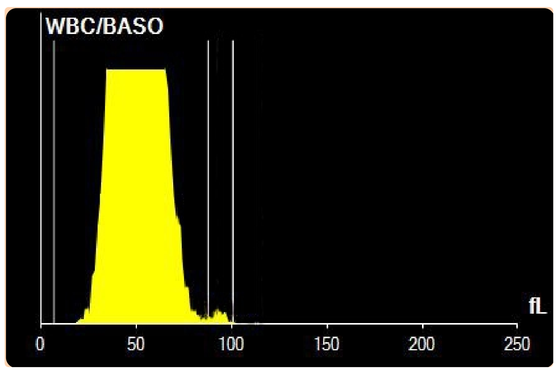
Easy to use

- ONE touch to start the test, ONE click to remove error, ONE screen for most of the daily operation. Intelligent turn off power switch.

Independent BASO channel

Basophils (BASO) has important clinical significance, such as Leukemia, Anaphylactic Dis-ease, Hematemesis, Cancer and so on.

Real double optical channel test, both for DIFF and BASO, independent BASO channel with optical counting contributes to more precise results.



Built-in thermal printer

Compact

Compact design with reagents on board, save the valuable bench space of small labs.

With one measuring channel

Specifications

Principles	Tri-angle Laser scatter
	Flow Cytometry method
	Scattergram analysis
	Impedance method for RBC and PLT counting
	Cyanide free reagent for HGB test
Parameters	25 Reportable parameters
	WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PCT, PDW, P-LCR, P-LCC, NEU%, LYM%, MON%, EOS%, BAS%, NEU#, LYM#, MON#, EOS#, BAS#
	1 Scattergram 3 Histograms (WBC, RBC, PLT)
	4 Research parameter
	ALY%, ALY#, LIC%, LIC#
Test Mode	CBC+DIFF mode
	Venous whole blood, Capillary whole blood and Prediluted
Throughput	60 tests/hour

Performance

Parameter	Linearity Range	Carry Over	CV
WBC	1-300x10/L	≤0.5%	≤2.0%
RBC	0-8,5x10 /L	≤0.5%	≤1.5%
HGB	0-250g/L	≤0.5%	≤1.5%
PLT	0-4000 x10/L	≤1.0%	≤4.0%

Sample Volume	CBC+DIFF mode：≤20ul
Data Memory	Up to 100,000 results (including histogram, scarttergram, patient information)
Display	10.4 inches touch screen
Interface	1 LAN port, 4 USB ports
Communication	Bi-direction LIS, support HL7 protocol
	Internal RFID reader
Printout	Support various external USB printers,or Wifi connection (optional)
	formats user definable
Size/Weight	L*W*H = 350*450*430(mm)
	Weight: 28kg
Power Requirement	a.c.100-240V, 50/60Hz
Working Environment	Temperature:10-30
	Humidity: 20% - 85%
	Air pressure: 70~106kPa
	Working latitude: ≤3500m
Calibration	AUTO Calibartion

No. 7/24 Stebondale Street, London, United Kingdom
Authorized Distributor: Goldengate Holdings Limited Dubai, U.A.E

www.elektrogenesis.com
mea@elektrogenesis.com
+971 58 912 1046 | +971 56 779 7033