



Σ SIGMA-60

3-Part Auto Hematology Analyzer

Salient Features:

- * Compact Design, Efficiency Expert
- * The detection speed can reach 60 samples/hour, the result processing is more efficient, optimal choice for emergent sample
- * 10.4" touch screen, friendly user interface, convenient operation
- * 9 μ L micro blood collection, peripheral blood test is more applicable.
- * Storage of 500000 results, results are stored without pressure.
- * Equipped with one key obstacle removal technology which can quickly eliminate faults and ensure efficient use.



Accurate measurement for low value PLT

Advanced Cell pulse Baseline tracking and restore technology



Low running cost

Only two routine reagents, low reagent consumption for single test



10.4 inch LCD

Color LCD with touch screen, no external PC needed



Easy to use

One touch to start testing, one click to remove error, friendly operation menus

Technical Specification

Throughput

60 samples/hour

Detection Channel

Double-channel for counting
Aperture Size: WBC-100 μ m & RBC-70 μ m

Sample Volume

Minimum volume 9 μ l whole blood

Counting modes

Whole blood-mode, pre-diluted mode

Detection Principle

Impedance method(WBC,RBC, PLT) and cyanide free colorimetric method(HGB)

Reagent

Two reagent system- Diluent & Lyse

Display

10.4 inch color display screen with touch panel

Storage

5000,000 sample results, including histogram and patient information

Input/Output

4 USB ports and Bi-directional LIS connection, support USB keyboard, mouse, USB Disk and USB printer

Report print

Built-in thermal printer
Support external more than 5 types USB HP printers (Optional)
Support different languages when leaving the factory
Multiple built-in report templates available

Detection items

The detection items includes maximum 21 parameters(WBC, LYM#, MID#, GRAN#, LYM%, MID%, GRAN%, RBC, HCT, MCV, PCH,MCHC,RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, HGB, P-LCC,P-LCR, 3 histograms, alarm for abnormal erythrocytes, leucocyte and platelet

Leading Technology

Cell pulse baseline tracking and restore technology
High voltage burning technology
Built-in liquid sensor technology
High speed pulse collecting and discrimination technology
Intelligent floating threshold technology

Operating Environment

Temperature : 10 $^{\circ}$ C- 35 $^{\circ}$ C
Relative humidity: 20%-85%

Power Supply

100-240V AC . 50/60 Hz
 $\leq$ 150V AC

Dimension

420(L) X 295(W) X 430mm(H)

Net Weight

$\leq$ 28kg

Linearity

WBC	0.0 X10 ⁹ /L ~ 300.0 X10 ⁹ /L
RBC	0.0 X10 ¹² /L ~ 8.0 X10 ¹² /L
HGB	0.0 g/dL ~ 28.0 g/dL
PLT	0.0 X10 ⁹ /L ~ 4000.0 X10 ⁹
HCT	0% ~ 67%



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