

SMT-30 3-Part Auto Hematology Analyzer

- 2 Reagents.
- 21 Parameters.
- 60 Samples/hour.
- Low consumption of reagent and sample.



*Smart Auto Hematology
Analyzer Designed for Clinic*



Low Consume

- Only need three reagents.
- Sample consumed $\leq 20\mu\text{L}$.



Lightweight

- 390mm(L)×285mm(W)×390mm(H)
- Weight $\leq 16\text{Kg}$.



Efficient

- 60 samples per hour.



Less Maintenance

- Auto-cleaning of sample probe and tubes.
- Automatic fault processing function.



Compatibility

- Two modes of sampling: Whole blood, pre-diluted blood.
- Build-in thermal printer, external laser printer or inkjet printer.
- 4 USB, 1 LAN support protocol HL7 and compatible with LIS system.
- Accompanying quality control material.



User-friendly

- 10.4" colorful touchscreen.
- Liquid Crystal Display.
- Resolution: 800×600.
- 10° incline adapt to visual observation.

Specifications

Parameter	Precision	Linear Range	Contamination Rate
WBC	$\leq 2.0\%$ ($3.5-15.0 \times 10^9$)/L	(0-100.0×10 ⁹)/L	$\leq 0.5\%$
RBC	$\leq 1.5\%$ ($3.0-6.0 \times 10^{12}$)/L	(0.10-8.00×10 ¹²)/L	$\leq 0.5\%$
HGB	$\leq 1.5\%$ (100-180) g/L	(0-250) g/L	$\leq 0.6\%$
MCV	$\leq 1.0\%$ (70-120)fL	—	—
PLT	$\leq 4.0\%$ ($150-500 \times 10^9$)/L	(0-1000×10 ⁹)/L	$\leq 1.0\%$

Power	Voltage: AC 100V~240V, 50/60Hz Rated Power: 120VA	Reagents	Build-in LH Lyse, External Diluent, Probe Cleaner for maintenance.
Principle	Electric impedance method and Colorimetry method.	Flag System	RBC, WBC, PLT abnormal sample and support customized test groups
Parameters	21 reportable parameters: WBC, LYM#, MID#, GRAN#, LYM%, MID%, GRAN%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC 3 histograms	Storage	Up to 50,000 results including histograms, scattergrams and patient information.
Quality Control	3 Level QC, L-J graph, X-B	Accessories	Standard: keyboard, waste liquid barrel, ground wire(3m) Option: mouse, external barcode scanner
Calibration	Manual and Auto-calibration	Operational Environment	Working Temperature: 10°C~35°C Relative Humidity: 20%~85%