

# SMT-50 5-Part Auto Hematology Analyzer

- 3 Reagents.
- 3 part & 5 part all-in-one.
- 60 Samples/hour
- Low consumption of reagent and sample.



*Smart Auto Hematology  
Analyzer Designed for Clinic*



### Excellent Experience

- Removing Blockage Intelligent.
- Timing monitoring the status of pin hole and automatically operating removal of blockage.



### Accurate Test Result

- Excellent algorithm, hardware and liquid circuit design to ensure the accuracy of PLT low value.



### Simple and Reliable

- The distinctive technology of laser scattering makes the analyzer simple and more reliable.
- The analyzer adopts integrative, high precision and long-life injector module and stable maintenance-free sampling module, all for more durability and more worry-free.



### Small Size

- Save your spare. Integration built-in design of reagent cabinet can maximum hold 1L-DIFF lyse and 500ml-LH lyse at the same time.



### Ultra-low Cost of Operation

- The analyzer only needs three types of reagents, so the single test consumes less.



### Maintenance Intelligent

- Various and practical maintenance process to ensure the quality of analyzer.

## Specifications

Parameter	Precision	Linear Range	Contamination Rate
WBC	≤2.0% (3.5-15.0×10 <sup>9</sup> )/L	(0-300.0×10 <sup>9</sup> )/L	≤0.5%
RBC	≤1.5% (3.0-6.0×10 <sup>12</sup> )/L	(0.10-8.00×10 <sup>12</sup> )/L	≤0.5%
HGB	≤1.5% (100-180) g/L	(0-250)g/L	≤0.6%
MCV	≤1.0% (70-120)fL	—	—
PLT	≤4.0% (150-500×10 <sup>9</sup> )/L	(0-4000×10 <sup>9</sup> )/L	≤1.0%

<b>Power</b>	Voltage: AC 100V~240V, 50/60Hz Rated Power: 100~120VA	<b>Efficient</b>	60 samples/hour
<b>Sample Consume</b>	1) Only need three reagents 2) Sample consumed ≤20μL	<b>Flag System</b>	RBC, WBC, PLT abnormal sample and support customized test groups
<b>Compatibility</b>	1) Two modes of sampling: Whole blood, pre-diluted blood 2) Three modes of test: CBC, CBC+5Diff and CBC+5Diff+RRBC 3) External printer or thermal printer 4) 4 USB, 1 LAN support protocol HL7 and compatible with LIS system 5) Accompanying quality control material	<b>Storage</b>	Up to 50,000 results including histograms, scattergrams and patient information.
<b>Display</b>	1) 10.4" colorful touchscreen 2) Liquid Crystal Display 3) Resolution: 1024×768 4) 10° incline adapt to visual observation	<b>Quality Control</b>	3 Level QC, L-J graph, X-B
<b>Parameters</b>	Reportable Parameters (25 items) WBC, LYM#, MON#, NEU#, EOS#, BAS#, LYM%, MON%, NEU%, EOS%, BAS%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC Research  Parameters (4 items) ALY%, ALY#, IG%, IG# 2 histograms and 2 scattergrams	<b>Calibration</b>	Manual and Auto-calibration
		<b>Accessories</b>	Standard: keyboard, waste liquid barrel, ground wire(3m) Option: mouse, external barcode scanner
		<b>Dimension</b>	500mm(L)×320mm(W)×390mm(H)
		<b>Weight</b>	25 Kg
		<b>Operational Environment</b>	Working Temperature: 10°C~35°C Relative Humidity: 20%~85%
		<b>Reagents</b>	Build-in DIFF Lyse, LH Lyse, External Diluent, Probe Cleaner for maintenance
		<b>Principle</b>	Flow cytometry and multi-angular laser scattering, Electric impedance method and Colorimetry