Technical Specification

- **Principles:**

  Laser Scatter + Chemical dye + Flow Cytometry (WBC +DIFF)

  Impedance Method (WBC/RBC/PLT), Cyanide Free Colorimetric Method (HGB)

- **Counting Channels:**

  RBC/PLT Channel + WBC/BASO +WBC DIFF Channel + HGB Channel

- **Test Items:**

  28 Parameters, including: 24 report parameters WBC, LYM%, LYM#, NEU#, MON%, MON#, EOS%, EOS#, BAS%, BAS#, RBC, HGB, HCT, MCV, MCHC, RDW-CV, RDW-SD, PLT, PDW, MPV, PCT, P-LCR, 4 WBC Research Parameters; Alarm for confirmed & seemingly abnormal samples

- **Research Parameters:**
  ALY # (Abnormal Lymphocytes), ALY%, IG# (Immature Granulocytes), IG%
- **Scattergrams:** Two 5 Parts DIFF Scattergrams (2D)
- **Histograms:** Histograms for WBC and PLT
- **Analysis Modes:** CBC + 5 DIFF, CBC + 3 DIFF, CBC + 5 DIFF + RRBC
- **Throughput:** 60 samples per hour
- **Sample Method:** Open
- **Sample Type:** Whole blood, Prediluted blood
- **Sample Volume:** ≤ 20μL
- **Data Management:** LIS system automatic 2-way transmission management, up to 50,000 results including numeric, graphical and patient data
- **Sleep Mode:** Automatic sleep and power on mode
- **Control Mode:** L-J, X, X-R, X-B

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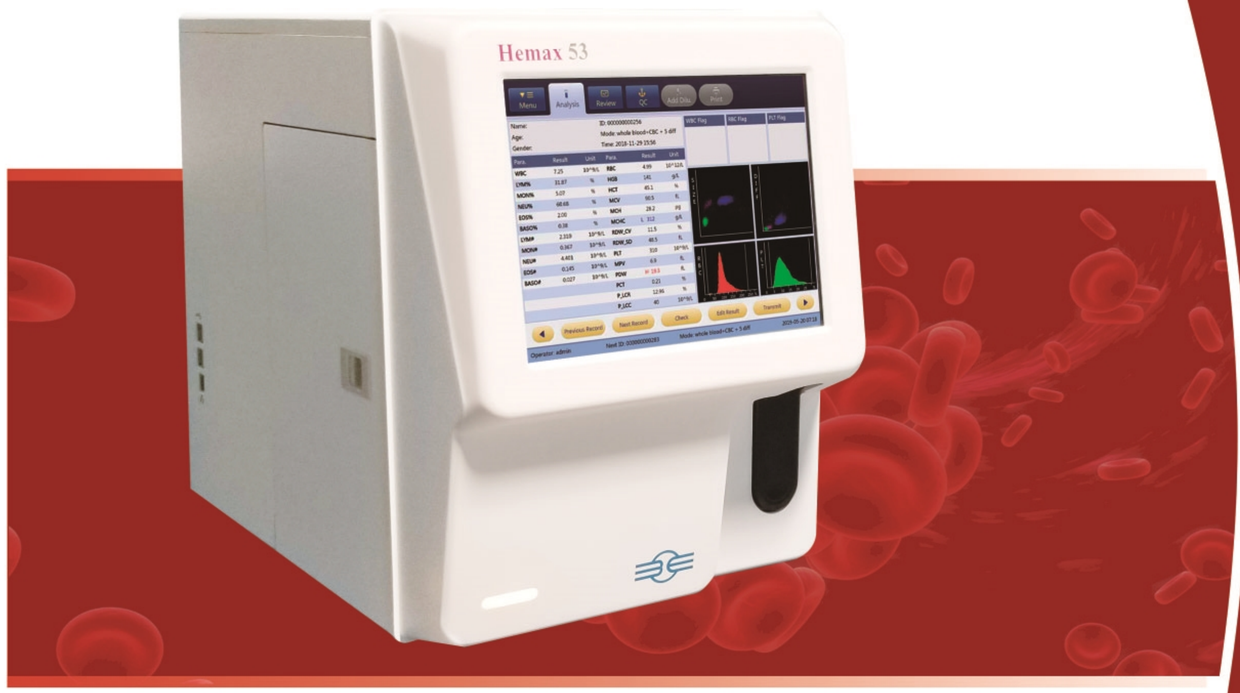


Hemax 53

Auto Hematology Analyzer

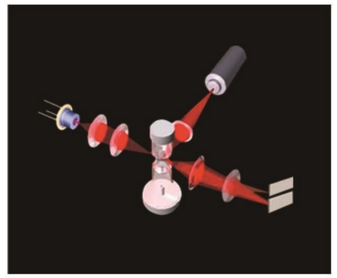
Ideal for small and medium-sized labs

Hemax 53

- Perfect traceable QC & Calibration System;
- Large Lineary Range, High Accuracy;
- Customize Print Templates

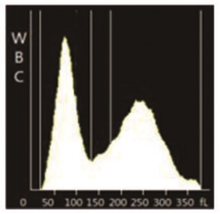
Laser Scatter Technology

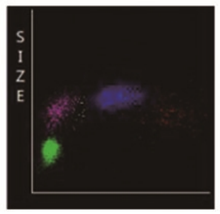
Solid long-life laser irradiates blood cells at various angles combined with staining and flow cytometric analysis technology, output specific information on cell size, internal structure and particulate matter, accurately classify and count WBC, screening and flagging Abnormal Lymphocytes (ALY) and Immature Granulocytes (IG), provide more accurate, reliable information for clinical diagnosis.



3-DIFF and 5-DIFF Arbitrary Switching

2 modes on both 3 Diff and 5 Diff testing modes
User choose modes according to their demand
Save reagent cost



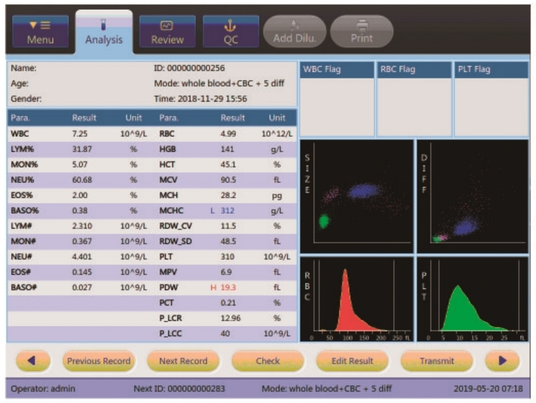


Advanced Data Management System

4 USB Ports, LAN port support HL7 protocol
LIS system automatic 2-way transmission management

Reliable and Accurate Testing Results

Compact design and powerful, highly integrated electro-hydraulic separation design will ensure counting and classification results are comparable to large 5-part instruments
High quality hardware and algorithm processing
The accuracy of abnormal low value CBC results is guaranteed
RRBC prompt function, can switch to RRBC modes when prompted



Machine maintenance-easy and one key to remove error automatically is simple and efficient

Clog prevention: concentrated cleanser soaking, back flush, high-voltage pulse
Self-checking function (status self-checking and reagent self-checking)
Intelligent maintenance system, automatically calculate sample volume, remind users to carry out routine maintenance
One key to remove error, automatic handling fault
Automatic sleep and power on function
Integrated modular design, easy to maintain