

Technical Specification

■ Principles:

Laser Scatter + 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:

29 Parameters including 25 reported parameters: WBC, LYM%, LYM#, NEU%, NEU#, MON%, MON#, EOS%, EOS#, BAS%, BAS#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, PDW, MPV, PCT, P-LCR, P-LCC. 4 research parameters including ALY%(Abnormal Lymphocytes), ALY#, IG% (Immature Granulocytes), IG#.

■ **Scattergrams** : 3 scattergrams for 5 part differential

■ **Histograms** : 3 histograms for WBC, RBC and PLT

■ **Analysis Modes** : CBC + 5 DIFF, CBC + 3 DIFF, CBC + 5 DIFF + RRBC

■ **Throughput** : 60 samples per hour

■ **10.4 inch touch screen LCD** : makes operation more convenient

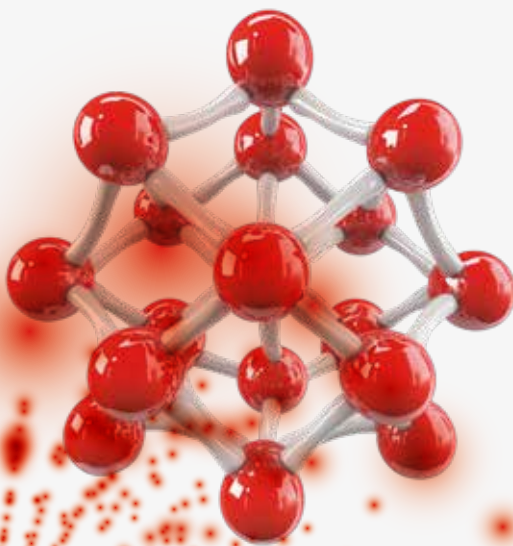
■ **Sample Method** : Open

■ **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-B



Hemax 53

Auto Hematology Analyzer



**29 Parameters
including 24 report parameters**



**Standard
MEDICAL**

Av Anatole France Imm Intilaka Centre A1-1, Sfax, Tunisia.

Tél.: 58 520 400, 58 520 402, 58 520 404.

E-mail : standardmedical7@gmail.com.



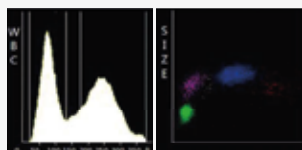
B&E BIO-TECH

Hemax 53

Auto Hematology Analyzer

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

**29 Parameters
including 24 report parameters**

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

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