



Fully Automated Hematology Analyzer (5-part) with Autoloader & external Computer System



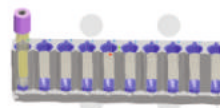
VH-530 AL



In built mixer and barcode reader for sample tubes,



Automated RFID detection system module for all reagent,



Total Sample loading quantity 60 with 6 different sample racks



25-Parameters
4- Research Parameters
3- Histograms
3- 2D Scattergrams
1- 3D Scattergrams



20 ul Lower Sample Volume,
Lower reagent consumption
Only 3 Lyse & 1 Diluent
Reagent system



External Computer System & display with user convenient operating software



On display flags For abnormal results, Continues reagents level detection system



Faster performance,
80 tests/hour
with dual chambers



Larger memory of saving
100000 sample results
with histograms

- ✓ **Principle:** Triangle laser flow cytometry for 5-part WBC Differentiation, Electrical Impedance method for WBC/RBC/PLT, Cyanide free colorimetry for Hgb measurement
- ✓ **Parameters:** 25 Reportable Parameters WBC,LYM%,MON%,NEU%,EOS%,BASO%,LYM#,MON#,NEU#, EOS#,BASO#,RBC, HGB,HCT,MCV,MCH, MCHC,RDW-CV,RDW-SD, PLT,MPV,PDW,PCT,P-LCR,P-LCC
- ✓ **4-Research Parameters:** ALY%, ALY#, LIC%, LIC#
- ✓ **Analysis Mode:** Whole blood, Peripheral mode, Prediluted Mode
- ✓ **Measurement Mode:** CBC & CBC+5 diff
- ✓ **Sample Volume:** 20ul in all Modes
- ✓ **Counting Chambers:** Dual Chambers WBC and RBC with additional diff bath chamber
- ✓ **Throughput:** 80 Samples/hour
- ✓ **Data Storage Capacity:** 100000 sample results with histograms
- ✓ **External Connectivity:** 1-LAN port & External Computer system support external printer and LIS/HL7 system
- ✓ **Reagents with pack size:** Diluent 20L ,Diff-1 Lyse 1L, Diff-2 Lyse 500ml, Hgb Lyse 500ml,, Probe Cleaner 100 ml for daily maintenance with automated RFID detection system
- ✓ **Maintenance:** Various powerful cleaning procedures, Auto clog detection & removal system, Automatic sleep & Wake up Function, Automatic Error alerts and single touch option to remove it
- ✓ **Control & Calibration:** 3-level, LJ with manual & automatic calibration

Linearity & Accuracy

Parameter	Linearity range	Accuracy (CV)	Range for Accuracy
WBC	0.0-300 [^] 10 ⁹ /L	≤2.0%	3.5×10 ⁹ /L~15.0×10 ⁹ /L
RBC	0.0-8.5 [^] 10 ¹² /L	≤1.5%	3.00×10 ¹² /L ~ 6.00×10 ¹² /L
HGB	0-25 g/dL	≤1.5%	10 g/dL ~ 18 g/dL
MCV	40-150 fL	≤1.0%	70 fL~120 fL
PLT	0-3000 [^] 10 ⁹ /L	≤4.0%	150×10 ⁹ /L ~ 500×10 ⁹ /L

- ✓ **Power Requirement:** Standard AC 220V ±22V , 50Hz, 200VA
- ✓ **Environmental Condition:** Room temperature, 15°C -35°C
Relative Humidity: 10% - 90%, Atmospheric Pressaure: 70 kPa-110 kPa
- ✓ **Weight:** Net- 59 Kg
- ✓ **Dimension (L X W X H):** 610 X 650 X 540 mm