

# URIT-5500

Auto Hematology Analyzer

## | Specifications |

	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, RETIC%, RETIC_ABS, IRF
<b>28 parameters</b>	2 Histograms for RBC and PLT 2 Scatter grams: 5-part differential scatter gram Eosinophils and Neutrophils scatter gram 2 3-D stereograms
<b>Principles of operation</b>	WBC 5-part: Flow Cytometry(FCM)+ 4 angles laser light scatter WBC Analysis: Optical and impedance measurements RBC/PLT Analysis: Impedance method HGB test: Cyanide-free reagent colorimetry RET test: Flow Cytometry(FCM)+laser light scatter+Chemical dye method
<b>Sampling modes</b>	Auto loader 160 $\mu$ l, Manual mode 160 $\mu$ l, Pre-diluted mode 40 $\mu$ l
<b>Aperture Diameter</b>	WBC 100 $\mu$ m, RBC/PLT 80 $\mu$ m
<b>Throughput</b>	Auto loader up to 110 samples per hour Manual mode up to 100 samples per hour
<b>Sampling device</b>	Automatic sampling device with a capacity of 120 samples, 10 samples $\times$ 12 racks, auto built-in barcode reader
<b>Data storage</b>	Up to 200,000 sample results with grams
<b>Alarms</b>	Error messages
<b>Display</b>	PC display with Linux system, 17 inch color TFT display
<b>Dimension</b>	760MM $\times$ 684MM $\times$ 676.5MM

 TechnoMed

URIT

Global Diagnostics Supplier

5-Part-Diff  
Auto Hematology Analyzer



# URIT-5500

## 5-Part-Diff Auto Hematology Analyzer



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Rev: 201403-1 (20130724)

## URIT-5500 Auto Hematology Analyzer



- 5-part differentiation, 25+3 parameters, 2 histograms, 2 scatter grams and 23-D stereograms
- Impedance method for RBC and PLT counting
- Cyanide free reagent for hemoglobin testing
- The combination of WIC and WOC for WBC counting
- Flow Cytometry(FCM) + MAPSS( Multi Angles Polarize Scatter Separation)
- Up to 110 tests/hour
- Auto loader with a capacity of 120 samples
- Reticulocyte test
- Up to 200,000 sample storage with grams
- Inner Barcode
- Bi-Directional LIS

# URIT-5500

## Auto Hematology Analyzer



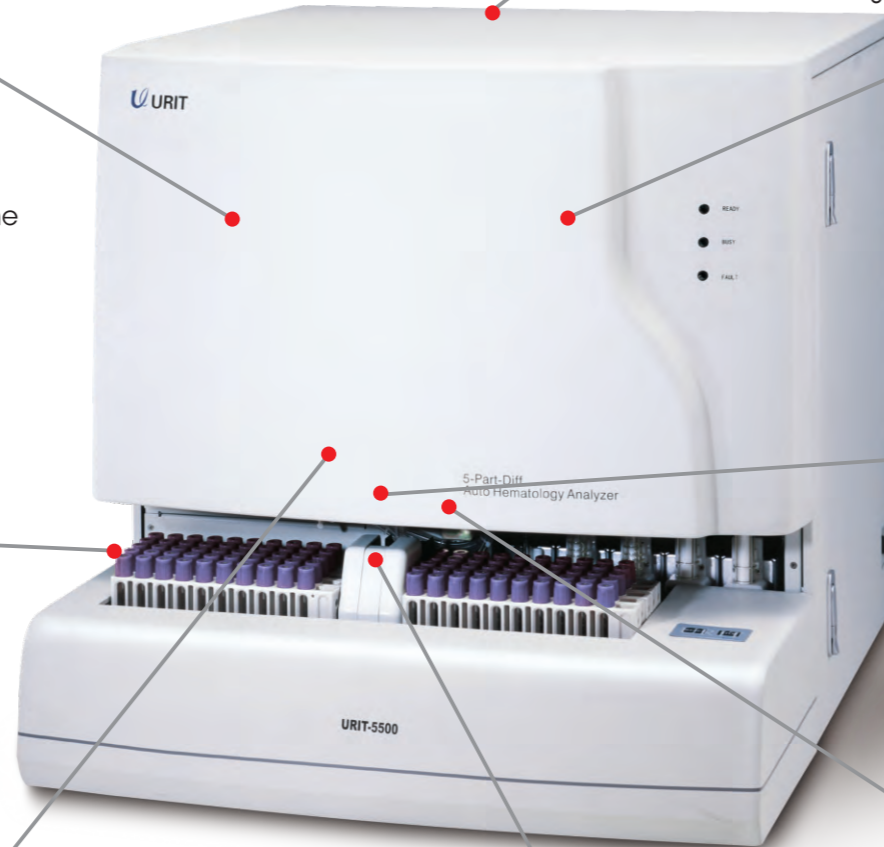
Sample Rotary Valve  
High precision  
Easy maintenance  
Blood sensor monitors aspiration volume



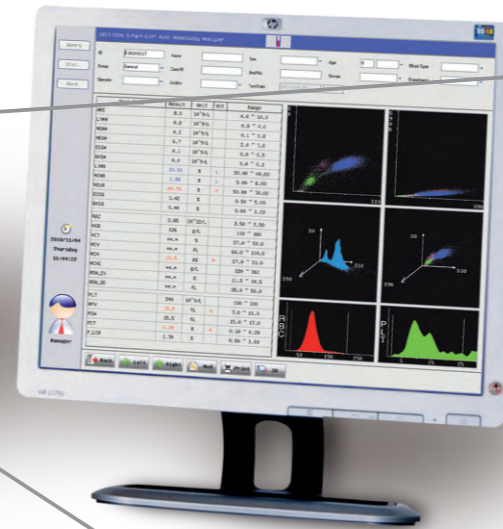
HE-NE laser  
Stable, Intensity



Auto-flush  
Remove clot automatically  
High self-maintenance



Autoloader with 120 tube positions  
High capacity, efficiency  
Walk-away automation



Piecing  
Piecing for close tube, preventing biological contamination



Inner barcode  
Internal barcode reader for scanning of sample



Random STAT access  
Provide test for STAT with minimum interruption to normal workflow

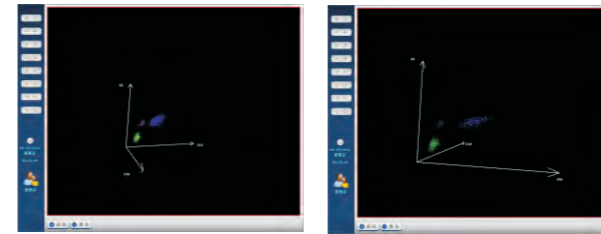


Auto-mixing  
Sample is mixed automatically for a complete test



### He-Ne laser scatter

URIT-5500 adopts flow cytometry and He-Ne laser to realize the WBC 5-Diff differentiation.

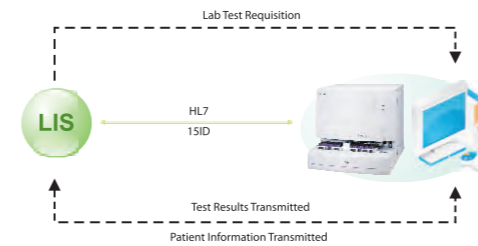


### 3D stereogram

Not only scatter grams but also 3D stereograms are provided by Urit-5500 that the WBC differentiation would be presented on different views.

### Complete physical differential method without chemical dye

For the advanced analytical method, URIT-5500 does not utilize chemical dye method, only four reagents are in usage.

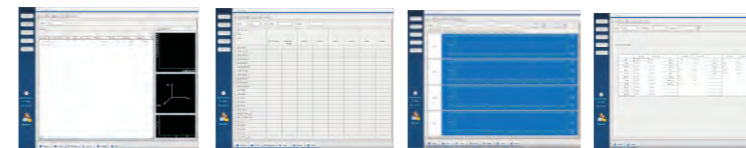


### Bi-directional LIS

Support HL7  
Transmit the patient information and results

### Reticulocyte analysis

URIT-5500 supports the analysis for RET and IRF, providing more data for clinical diagnosis.

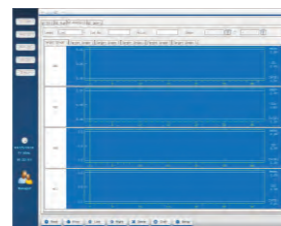


### Huge capacity for data storage

URIT-5500 can save 200,000 results with graphic and numeric information.

### Quality control

URIT provides original QC reagent and URIT-5500 has multiple ways for OC, such as L-J, X, X-R, X-B, etc.



### Software

Friendly interface  
Easy to operation  
Result flag