

# HEMA-3538

Auto Hematology Analyzer



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

## ►► Specifications

28 parameters	WBC,LYM%,MON%,NEU%,EOS%,BASO%,LYM#,MON#,NEU#,EOS#,BAS#, RC,HGB,HCT, MCV,MCH,MCHC,RDW_CV,RDW_SD,PLT,MPV,PDW,PCT,P_LCR,P_LCC, RETIC_ABS,RETIC, IRF 2 Histograms for RBC and PLT 2 Scatter grams: 5-part differential scatter gram Eosinophils and Noutrophils scatter gram 2 3-D stereograms
Principles of operation	WBC/DIFF: Flow Cytometry, Semi-conductor,Laser light multi-dimensional cell classification WBC Analysis: Optical and impedance measurements RBC/PLT Analysis: Impedance method HGB test: Cyanide-free reagent colorimetry
Reagent	Diluent, Sheath, Detergent, Lyse
Sampling modes	Whole blood : 20 $\mu$ L Pre-diluent : 20 $\mu$ L
Aperture Diameter	WBC 100 $\mu$ m, RBC/PLT 68 $\mu$ m
Throughput	Up to 60 samples per hour with 50 autoloader positions
Data storage	Up to 200,000 sample results with grams
Alarms	Error messages
Power	220V,50/60Hz 300VA
Display	PC display
Weigh	73kg
Dimension	660MM(L) $\times$ 565MM(W) $\times$ 545MM(H)

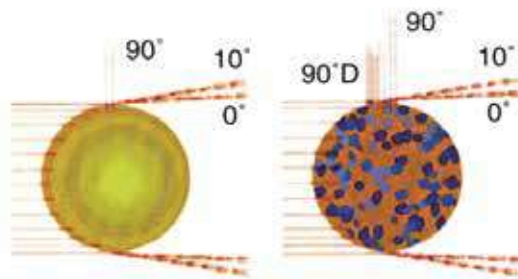


- Laser light multi-dimensional cell classification
- Resistant RBC mode
- WIC and WOC for WBC counting
- Up to 60 samples per hour throughput
- WBC 5 part diff with sheath reagent only
- Support both whole blood and capillary blood samples



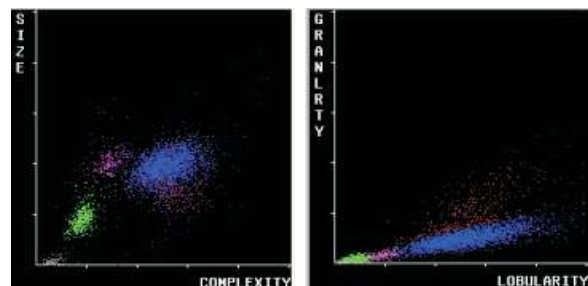
### ▶▶ Semi-conductor laser

HEMA-3538 Auto Hematology Analyzer uses semi-conductor laser for the flow cytometry system. Through calculations of different angles via laser scatters, the instrument provides complete analysis including cell size, granularity and complexity.



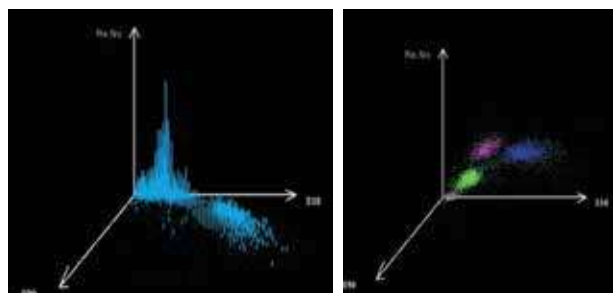
### ▶▶ One channel give complete differentiate WBC

HEMA-3538 counts lymphocyte, monocyte, neutrophil, eosinophil and basophil in WOC channel .



### ▶▶ 3D stereograms

Not only scatter grams but also 3D stereograms are provided by HEMA-3538 that the WBC differentiation would be presented on different views.



## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



# Analytical Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [Info@analyticalfoundation.org](mailto:Info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

## Reach us @



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