

# HEMA - 3500

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## 5 - Part - Diff Hematology Analyzer



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

**Analytical Technologies Limited**

An ISO 9001 Certified Company

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

## ▶▶ **PRODUCT INTRODUCTION**

Flow Cytometry (FCM) + Multi Angle Scatter Separation (MASS)

Hourly throughput up to 60 samples

Resistant RBC mode

Multi—language software available (Tailor—Made)

## ▶▶ **34 PARAMETERS**

WBC, LYM%, MONO/O, 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

6 research parameters: ALY#, ALY%, LIC#, LIC%, NRBC#, NRBC%

2 histograms for RBC and PLT

2 scatter grams: 5-part differential scatter gram

Eosinophils and Neutrophils scatter gram

Two 3—D stereograms

## ▶▶ **PRINCIPLES OF OPERATION**

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

RETIC test: flow cytometry (FCM) + laser light scatter + chemical dye method

## ▶▶ **REAGENT**

Diluent, detergent, lyse, sheath

## ▶▶ **SAMPLING MODES**

Auto loader 20  $\mu$ L, manual mode 20  $\mu$ L, pre-diluted mode 20  $\mu$ L

## ▶▶ **APERTURE DIAMETER**

WBC 100  $\mu$ m, RBC/PLT 68  $\mu$ m

## ▶▶ **THROUGHPUT**

Auto & manual mode: up to 60 samples per hour, support STAT

▶▶ **SAMPLING DEVICE**

Auto loader with 50 (10 x 5 racks) sample storage capacity Built—in bar code reader

▶▶ **DATA STORAGE**

Up to 200,000 sample results with all grams

▶▶ **ALARMS**

Error messages

▶▶ **DISPLAY**

PC display with windows system, 17—inch color T FT display

▶▶ **LIS**

Support, with HL7 protocol

▶▶ **POWER**

AC 100-240V, 50/60Hz, 300VA

▶▶ **DIMENSION & WEIGHT**

580 mm (L) x 750 mm (W) x 550 mm (H), about 73 kg

Reticulocyte test: RETIC ABS, RETIC%, IRF

34 parameters, 2 histograms, 2 scatter grams

and two 3D stereograms

Hourly throughput up to 60 samples

Auto loader with 50 sample storage capacity

The combination of WIC and WOC for WBC counting

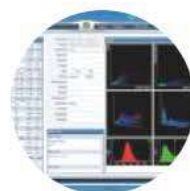
Impedance method for RBC and PLT counting

Cyanide free reagent for hemoglobin counting

On board storage capacity of 200,000 samples with all grams

Built—in bar code reader

LIS and HIS available with HL7 protocol



## ▶▶ LASER SCATTER

- Multi—angle scatter separation (MASS)
- Original cell morphology signal
- Stable and long—lasting

## ▶▶ SHEATH FLOW REGULATION

- Chemical dye free technology
- Only sheath reagent for WBC 5—Diff

## ▶▶ SAMPLE ASPIRATION DEVICE

- Flexible sample aspiration blood collection tubes including: standard tube, capillary tube, disposable plastic tube and micro tube

## ▶▶ ELECTRONIC AND MECHANICAL COMPONENTS

- Individual quality control management
- Military level
- 20 years field—proven

## ▶▶ 2D+3D GRAMS

- Two 2D histograms: RBC and PLT
- Two 2D scattergrams: 5—part differential  
Eosinophil and Neutrophil
- Two 3D multi—angle vision grams

## ▶▶ DATA MANAGEMENT

- On board storage capacity of 200,000 sample results
- Professional data statistics query system

## ▶▶ OPERATION INTERFACE

- Simple operation with user friendly illustrated icons
- Handy tool tips
- Unique operation interface like all hematology series

## ▶▶ QUALITY CONTROL SOLUTION

- Original QC reagent with multi—method as L—J, X, X—R, X—B, etc.
- Third party QC solution available

## HPLC Servicing, Validation, Trainings and Preventive Maintenance :

**HPLC Servicing** :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

**Trainings** :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

**AMC's/CMC** :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

**Validations** :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

**Instruments** :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



## About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

## Our Products & Technologies



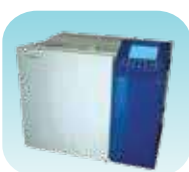
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Spectro 2080+  
Double Beam



Infra FTIR



Optima Gas  
Chromatograph  
3007



Optima Gas  
Chromatograph  
2979 Plus



Flash  
Chromatograph



Atomic Absorption  
Spectrophotometer



Liquid Particle  
Counter



Optical Emission  
Spectrophotometer



DSC/TGA



Semi Auto Bio  
Chemistry Analyzer



HEMA 2062  
Hematology  
Analyzer



Micro Plate  
Reader/Washer



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Urine Analyzer



Total Organic  
Carbon 3800



Fully Automated  
CLIA



NOVA-2100  
Chemistry Analyzer



PCR/Gradient PCR/  
RTPCR



TOC  
Analyzer



Laser Particle  
Size Analyzer



Ion Chromatograph



Water purification  
system

## 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.



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