

**Multiplelabs**  
Turnkey Laboratories Solutions



**Analytical**<sup>®</sup>  
Technologies Limited

# HEMA - 3550

## 5 Part Automated Hematology Analyser





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


**Analytical Technologies Limited**

An ISO 9001 Certified Company

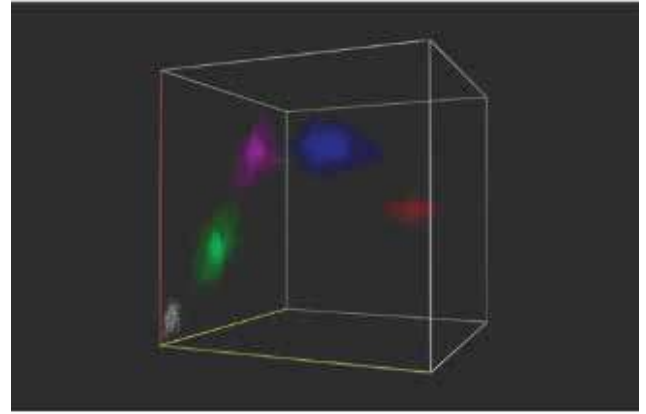
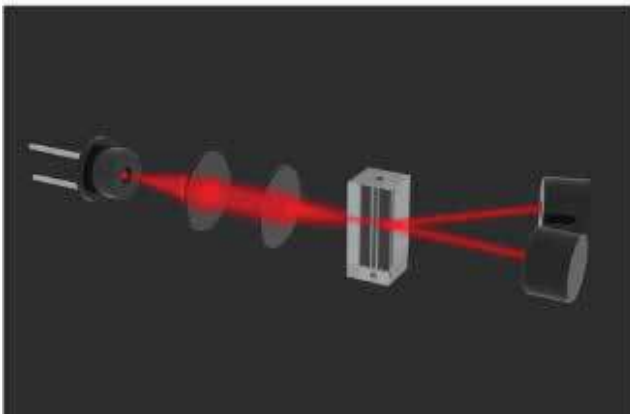
[www.analyticalgroup.net](http://www.analyticalgroup.net)

 **3**  
Reagents

 **3 ÷ 5**  
3-part & 5-part  
all-in-one

 **60**  
Samples Per Hour

▶▶ **Principle**  
Simple and reliable.



The distinctive technology of laser scattering make the analyzer simpler and more reliable.

▶▶ **Small**  
Make your desktop more spare and neat



Integration built-in design of reagent cabinet can maximum hold 1 L-DIFF lyse and 500ml-LH lyse in the same time.

▶▶ **Ingenuity**  
Time-tested internal design.



The analyzer adopts integrative, high precision and long life injector module and stable maintenance-free sampling module, all for more durability and more worry-free.

▶▶ **Characteristic**  
Pursuit of excellent experience.



**Removing Blockage Intelligent**  
Timing monitoring the status of pin hole and automatically operating removal of blockage.



**Accurate Test Result**  
Excellent algorithm, hardware and liquid circuit design to ensure the accuracy of PL T low value.



**Maintenance Intelligent**  
Various and practical maintenance process to ensure the quality of analyzer.



**Ultra-low Cost of Operation**  
The analyzer only need three type of reagent, so the single test consumes less.

Parameters	Precision	Linear Range	Contamination Rate
WBC	≤20% (3.5-15.0x10 <sup>9</sup> )/L	(0-100.0x10 <sup>9</sup> )/L	≤0.5%
RBC	≤15% (3.0-6.0x10 <sup>12</sup> )/L	(0.10-8.00x10 <sup>12</sup> )/L	≤0.5%
HGB	≤15% (100-800) g/L	(0-250)g/L	≤0.6%
MCV	≤10% (70-120)fL	-	-
PLT	≤40% (150-500x10 <sup>9</sup> )/L	(0.1000x10 <sup>9</sup> )/L	≤1.0%

## ►► Detail

### All features you want to know

#### Compatibility

- 1) Two modes of sampling: Whole blood, pre-diluted blood
- 2) Three modes of test: CBC, CBC+5Diff and CBC+5Diff+RRBC,(NRBC)
- 3) Extential printer or thermal printer
- 4) 4 USB, 1 LAN support protocol HL7 and compatible with LIS system
- 5) Accompanying quality control material

#### Maintenance Friendly

- 1) Auto-cleaning of sample probe and tubes
- 2) Automatic fault processing function

#### Light

- 1) 500mm(L)x320mm(W)x390mm(H)
- 2) Weight: 525Kg

#### User-friendly Design

- 1) 10.4" colorful touchscreen
- 2) Liquid Crystal Display
- 3) Resolution: 1024x768
- 4) 10° incline adapt to visual observation

#### Low Consume

- 1) Only need three reagents
- 2) Sample consumed :520uL

#### Efficient

60 samples per hour

### Principle

Flow cytometry and multi-angular laser scattering,  
Electric impedance method and Colorimetry

### Parameters

Reportable Parameters (25 items)  
WBC, LYM#, MON#, NEU#, EOS#, BAS#,  
LYM %, MON%, NEU%, ES%, BAS%, RBC,  
HGB, HCT, MCV, MCH, MCHC, ROW-CV,  
ROW-SD, PLT, MPV, POW, PCT, P-LCR, P-LCC  
Research Parameters (4 items)  
ALY %, ALY#, IG%, IG#  
2 histograms and 2 scattergrams

### Quality Control

3 Level QC, L-J graph, X-B

### Accessories

Standard: keyboard, waste liquid  
barrel, ground wire(3m)  
Option: mouse, external barcode  
scanner, printer, thermal printer

### Reagents

Build-in DIFF Lyse, LH Lyse External  
diluent. Probe cleaner for maintenance

### Flag System

RBC, WBC, PL T abnormal sample and  
support customized test groups

### Storage

Up to 50,000 results including histograms,  
scattergrams and patient information.

### Calibration

Manual and Auto-calibration

### Environment

Working Voltage: AC 100V-240V, 50/60Hz  
Rated Power: 100-120VA  
Working Temperature: 10°C-35°C  
Relative Humidity: 20%/o-85%/o

## 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



UV/VIS  
Spectro 2080+  
Double Beam



Infra FTIR



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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



URINOVA 2800  
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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