

HbA1c-3500Plus

Automated HbA1c Analyzer



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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

▶▶ **Automated HbA1c Analyzer (HPLC)**

The fully automated Lifotronic Automated HbA1c Analyzer offers the fastest available throughput of HbA1c results in just 1.5 minutes, with Hb variant detection, providing the outstanding solution for quick and reliable diabetic monitoring. Patients with hemoglobin variants can be in depth analyzed by simple mode change to β -thalassemia program.

No sample preparation and very little hands-on time by the operator is required for the Analyzer. The sampling station accepts bar coded primary tubes, samples from the closed tube and dilutes and injects the specimen into the chromatographic station for analysis. Results are managed by Lifotronic's Patient Data Management Software TM (PDM), which can be synchronized with the laboratory information system (LIS) in real time. Lifotronic provides complete assay kits for HbA1c and 13-thalassemia on the Analyzer.



▶▶ **HPLC Technology-Gold Standard Methodology**

- Anchored to the Diabetes Control and Complication Trial(DCCT) reference study
- NGSP and IFCC certified

▶▶ **Fast-To Rnsure Your Workload is Processed Promptly**

- HbA1c results in 1.5 minutes
- With β -thalassaemia program

▶▶ **Fully Automated-To Minimize Operation Hassles**

- Primary Tube Sampling with Cap Piercing
- Fully Automated Start-up, Maintenance and Shutdown
- Barcode Scanner for Sample identification

▶▶ **Precise and Reliable-To Serve You Consistently**

- HbA1c Inter&Intra Measuring CV's $\leq 1\%$ to Enable Exceptional Result Management
- Superior Quality Chromatographic Resolution to Eliminate Interferences

▶▶ **User Friendly - To Avoid Operator Error**

- 8" TFT Touch Screen LCD with Vivid Color
- Easy to Understand and Pellucid Software
- Only one type of sample rack required for all different tubes
- Weight Sensor to Monitor Reagent Residue for Timely Reminder

▶▶ **Flexible - To Satisfy Diverse Laboratory's Needs**

- Different sample tubes can be loaded in any order in any rack
- A110Sampic Loader Available for Laboratory Automation
- Highly customizable remarks to meet your needs
- External Laser Printer for Direct Patient Result

▶▶ **Complex System Functions - For Easy Integration**

- USB, WLAN, USB and RS232 ports offer flexible connectivity for LIS/ HIS systems
- STAT Position for Emergency Assay

▶▶ **Compact Size - To Minimize Space Requirements**

- Small Footprint Reduces Bench Space Needed

▶▶ **Gold Standard of Diabetes Diagnose**

- Glycosylated hemoglobin (HbA1c) is widely recognized as a Gold Standard to monitor diabetes, which can indicate the average plasma glucose concentration over 8-12 weeks.
- Automated HbA1c Analyzer adopts linear gradient chromatographic eLution method, with patented result algorithm, to provide accurate result for clinical diagnose and treatment.

▶▶ **HPLC Methodology**

- High-Pressure Liquid Chromatography (HPLC) to separate HbA1c directly with measuring the absorbance points continually to form chromatogram. Using normal distribution curve fitting auto-iterative algorithm to get precise HbA1c testing result, excluding interference of variant and unstable hemoglobin like HbF. Standard Analysis Mode will report HbA1a, HbA1b I-1bF, HbA1c, P3, HbA0 peak areas and ratio. And the result also includes IFCC, NGSP and ADAG value for diverse client needs.



►► Technical Specifications

Methodology	High-PressureLiquid Chromatography(HPLC)
Test Modes	Standard Analysis Mode,Variant Analysis Mode,β-thalassemia Analysis Mode
Test Range	3%-18%
Precision	CV ≤1%
First Sample Result	4.5 Mins
Test Speed	1.5Mins/sample
Sample Type	Venous Blood, Finger Peripheral Blood, Lyophilizer Whole Blood
SampleVolume	6ul, Peripheral Blood, 3ul(1000Dilution Rate)
Auto Sample Station	110 Positions+1 Stat Position
Photometer	415nm +500nm LED, 20000 Hours Life Span
Chromatography Column	Available Tests ≥ 1500T
Filter	≥ 400T
Display	8" TFT True Color LCD Touch Screen
Software	WindowsXP Software with Self-Diagnosis to Monitor and Setect System Errors
Reagent Kit	Eluent A, Eluent B ,Eluent C, Hemolysin, Calibrator, QC Material(Weight Senso±1%)
Information Input	Scanner or Touch Keypad
Storage	20000 Sample Results
Connection	RS232, USB ,LAN ,LIS Compatible
Printer	Thermal printer and External Laser Printer
Operation Temperature	12~35 °C (53~95°F)
Humidity	10~70%
Power	AC 100-240V 50/60HZ 150VA
Dimensions	580mm x 500mm x 520mm(22.8"H x 19.7"W x 20.5"D)
Weight	50kg (110lbs)
Bacode Scanner	QC Curve

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



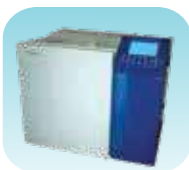
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3007



Optima Gas
Chromatograph
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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

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

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

Reach us @



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