

HPLC-3661

Hemoglobin Analyzer



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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

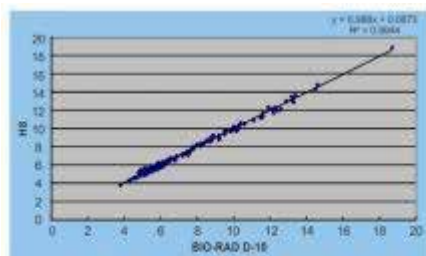
- The fully automated Hemoglobin Analyzer offers the fast throughput of HbA1c results in 130 seconds, with Hb variant detection, providing the outstanding solution for quick and reliable diabetic monitoring. No sample preparation and very little hands-on time by the operator is required for the H8 Analyzer.

►► Gold Standard of Diabetes Diagnose

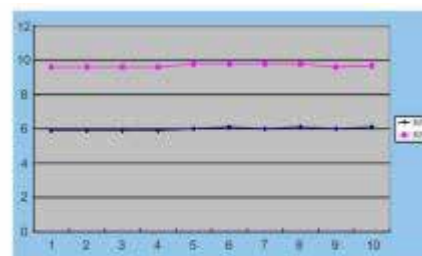
- Glycosylated hemoglobin (HbA1c) is widely recognized as a Gold Standard to monitor diabetes, which can indicate the average plasma glucose concentration over 8-12 weeks.

►► 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, HbF, Laic, HbA1c, HbAD peak areas and ratio. And the result also includes IFCC, NGSP and ADAG value for diverse client needs.

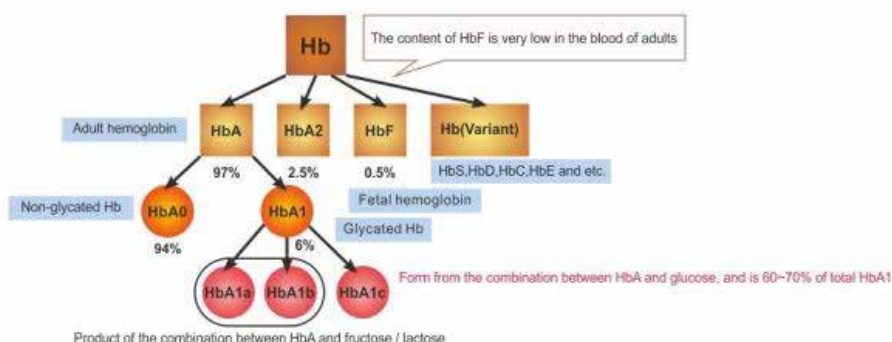


Correlation Between H8 and BIO-RAD D-10



Precision Study

►► The Elements of Hemoglobin

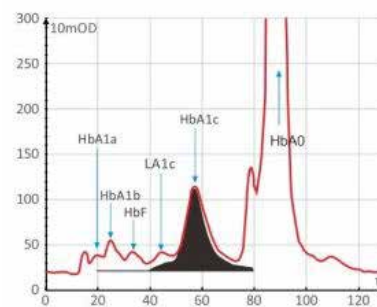


▶▶ HPLC Technology - Gold Standard Methodolo

- NGSP and IFCC Certified
- HbA1c Results in 130 Seconds

▶▶ 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 Measuring CV<1.5%& Intra Measuring CV's n03% to Enable Exceptional Result Management
- Superior Quality Chromatographic Resolution to Eliminate Interferences

▶▶ Dual Wavelength Detection - To Avoid Interference

- To Avoid the Reagent Peak Interference
- More Anti-interference Abilities, the Mutation Factor Interference to the Peak Can be Easily
- To Eliminate the Nonspecific Absorption of Hemoglobin

▶▶ Degasser — For Better Result Accuracy

- More Stable Pressure, More Accurate Flow Rate
- To Reduce Background Absorption and Improve Detection Sensitivity
- To Improve the Separation Effect of Column and Prolong Its Lifetime

▶▶ Compact Size —To Minimize Space Requirements

- Small Footprint Reduces Bench Space Needed

►► Technical Specifications :

Methodology	High - Performance Liquid Chromatography (HPLC)
Test Modes	Standard Mode, Variant Mode
Test Range	3% - 18%
Precision	CV ^c 1.5%
First Sample Result	7.5 Mins
Test Speed	90 Secs / Sample for Fast Mode, 130 Secs / Sample for Variant Mode
Sample Type	Venous Blood, Finger Peripheral Blood, Lyophilized Whole Blood Peripheral Blood, 5000 (150 Dilution Ratio)
Auto Sample Station	10 Positions
Photometer	415nm + 500nm Detector
Chromatography Column Available Tests	
800T Filter	400T
Display	10.1 " TFT True Color LCD Touch Screen
Software	Linux Software with Self - Diagnosis to Monitor and Detect System Errors
Reagent Kit	Eluent A, Eluent B, Eluent C, Hemolysin, Calibrator, QC Material (Weight Sensor \pm 1%)
Information Input	Scanner or Touch Keypad
Storage	4000 Sample Results
Connection	USB, LAN, LIS Compatible
Printer	Thermal Printer and External Laser Printer
Operation	Temperature 10 - 30 °C (50 - 86 °F)
Humidity	< 80%
Power	AC 100-240V 50/60-17 120VA
Dimensions	600mm x 360mm x 540mm (23.6"H x14.2 "W x 21.3" D)
Weight	49KG (108 lbs)
Barcode 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.

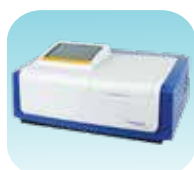
Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



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.

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Chromatograph
3007



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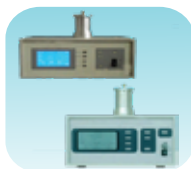
Atomic Absorption
Spectrophotometer



Liquid Partical
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
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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 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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