

HPLC-3660 Plus

Thalassaemia and Hemoglobin Analyser



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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► Specifications

Methodology	High Performance Liquid Chromatography(HPLC)
Test Item	HbF, HbA1c, HbA2, Hb Variants (HbE, HbD, HbS, HbC)
Precision	HbA1c (CV≤1.5%) , HbA2 (CV≤4.0%)
Test Speed	6mins/sample
Sample Type	Whole Blood/Diluted Blood
Sample Volume	10μL (Dilution Ratio: 1500μL)
Sample loading capacity	110 samples simultaneously and continuously
Sample Position Identification	Automatic barcode scanner and featured sample position system
Alarm System	Visible alarm for liquid level of eluent bottles and waste bottle Alarm for calibration or OC failure Positive sample alarm
Piercing Function	Automatic Piercing
Sample Pretreatment	Automatic sample treatment for both primary tube and diluent tube
Library	Offline library for result interpretation of chromatograms
External OC	Accept External quality assurance service
Sample analysis review	Real time sample analysis chromatograms
Photometer	415nm + 500nm
Column Life	≥1600T
Ready to use reagent Kit	EluentA/B/C, Hemolysin L, Column, Calibrator and QC
Display	8'TFT LCD Touch Screen
Storage	2000 Sample Results
Connection	USB, Rs232 Port, LIS Compatible
Operation Condition	Temperature 10~30°C, Humidity 10~70%
Power	AC 100-240V 50/60HZ 150VA
Weight	50KG (110lbs)
Barcode Scanner	Internal Automated Scan
Software	Embedded System with Self-Diagnosis to Monitor and detect System Error
Printer	Thermal Printer and External Laser Printer
Filter	≥400T

►► Features

- High Performance Liquid Chromatography(HPLC)
- Report HbF, HbA1c, HbA2 and Hb Variants(HbE, HbD, HbS, HbC)
- Quantitative measure HbA2 and HbF in 6.0 mins
- High resolution chromatography and high reliable system
- Easy to operate and maintenance
- No interference from common hemoglobin variants





What is Thalassaemia?

- High resolution chromatography and high reliable system
- Easy to operate and maintenance

Thalassaemia is a blood disorder passed down through families (inherited) in which the body makes an abnormal form or inadequate amount of hemoglobin. Hemoglobin is the protein in red blood cells that carries oxygen. The disorder results in large numbers of red blood cells being destroyed, which leads to anemia.

β -thalassaemia trait may develop either thalassaemia major or thalassaemia intermedia. Individuals with thalassaemia major are usually diagnosed within the first 2 years of life and require regular blood transfusions to survive.

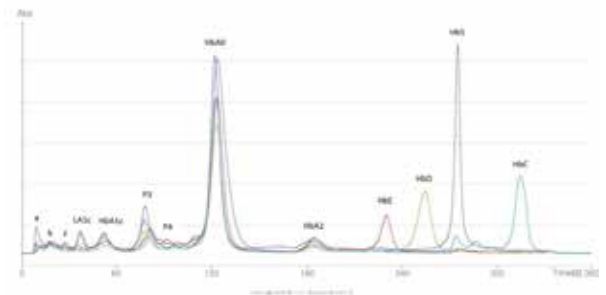
Thalassaemia affects approximately 4.4 of every 10,000 live births throughout the world. It causes males and females to inherit the relevant gene mutations equally because it follows an autosomal pattern of inheritance with no preference for gender.

►► About HPLC

High-Performance Liquid Chromatography (HPLC) is the gold standard for hemoglobin testing as it separates mixtures directly and measures the absorbance points continually with superior resolving power. A HPLC thalassaemia analyzer able to report HbF, HbA1c, HbA2 while eliminate interference of such Hb variants as HbE, HbD, HbS and HbC, creates significant and unique values for patients, physicians and laboratories.

►► Thalassemia Mode Chromatogram

Thalassemia Graph



What is the meaning of thalassaemia screening?

Thalassaemia is a blood condition that can cause health problems for your baby. It's passed from parents to children through changes in genes. You and your partner can have carrier screening before or during pregnancy to find out if you have the gene change that causes thalassaemia.

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.

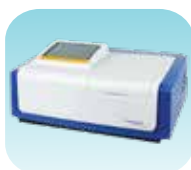
Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



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



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



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 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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