

# HPLC-3660

Hemoglobin Analyser (HbA1c)



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

**Analytical Technologies Limited**

An ISO 9001 Certified Company

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## ►► Specifications

Methodology	High Performance Liquid Chromatography(HPLC)
Test	HbF, HbA1c, HbA2, Hb Variants(HbE, HbD, HbS, HbC, Hb)
Precision	HbA1c (CV≤1.5%), HbA2 (CV≤4.0%)
Test Speed	6.0 Mins/sample
Sample Type	Whole Blood / Diluted Blood
Sample Volume	Whole blood: 5μL; Diluted Blood: 750μL (Dilution Ratio15:1500μL)
Auto Sample Loader	10 Positions
Piercing Function	Yes
Sample Pretreatment	Automatic
Photometer	415nm+500nm
Reagent Pack	Eluent A, Eluent B, Eluent C, Hemolysin L, Calibrator, QC Material
Display	10.1 " TFT True Color LCD Touch Screen
Storage	4000 Sample Results
Lis Connection	USB, LAN
Operation Condition	Temperature 10 ~ 30 °C ( 50 ~ 86 °F ); Humidity ≤ 80%
Power	AC 100-240V 50/60HZ 150VA
Dimensions	600mm x 360mm x 540mm ( 23.6"H x14.2 "W x 21.3" D )
Weight	49KG ( 108 lbs )

## ►► 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

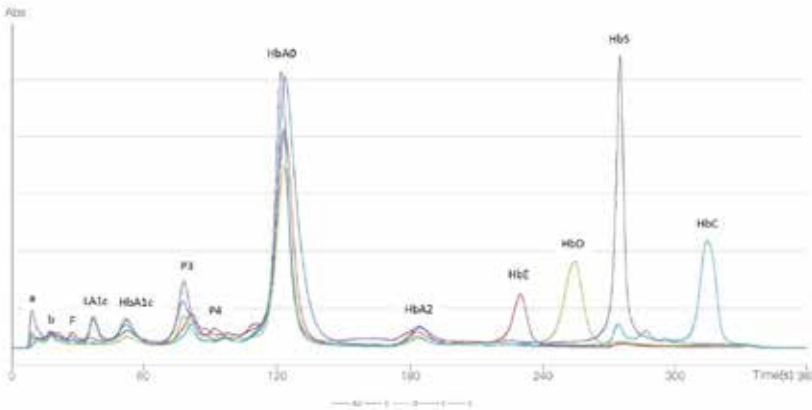
Thalassaemia is a blood disorder passed down through families (inherited) in which the body makes an abnormal form or inadequate amount of hemoglobin. Hemoglobin is the protein in red blood cells that carries oxygen. The disorder results in large numbers of red blood cells being destroyed, which leads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



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 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.

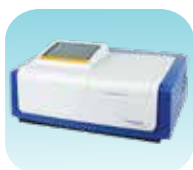
**Instruments** :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



## 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



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3007



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Spectrophotometer



Liquid Particle  
Counter



Optical Emission  
Spectrophotometer



DSC/TGA



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Chemistry Analyzer



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Analyzer



Micro Plate  
Reader/Washer



URINOVA 2800  
Urine Analyzer



Total Organic  
Carbon 3800



Fully Automated  
CLIA



NOVA-2100  
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Analyzer



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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.

## Reach us @



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