

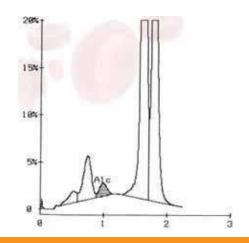




HbA1HPLC

| ANALYTE ID | % | TIME | AREA |
|------------|------|------|--------|
| A1b | 2.6 | 0.53 | 15815 |
| F | 8.9 | 0.75 | 54766 |
| A1c | 2.8 | 0.99 | 15681 |
| A0 | 85.5 | 1.61 | 528425 |
| S | 0.0 | 1.78 | 29881 |

| TOTAL AREA | | | |
|------------|------|------|--|
| A1c | 2.8% | 0.0% | |



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

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BIOLCTM SYSTEMS, REAGENT KITS, CALIBRATOR AND CONTROLS FOR CLINICAL & MEDICAL DIAGNOSTICS

DIABETES, HEMOGLOBINS:

- Hemoglobin Variants / Hemoglobin Al c(HbA1c).
- BThalassemiaScreening in Whole Blood.
- For Variant[™] and BioLC OR hba1HPLC.
- Hemoglobin Aic (HbA1c) in Whole Blood with Diamattm[™].

ALCOHOLISM, DRUG ABUSE :

- Basic Drugs in Urine On-Line Analysis.
- Benzodiazepines in Urine On-line Analysis.
- CDT in Serum.
- Manual sample preparation.
- TOX.I.S.
 - Basic Drugs in Urine On-Line Analysis.
 - Benzodiazepines in Urine On-Line Analysis.

BIOGENIC AMINES:

- Catecholamines in Urine & Plasma.
- Metaneprines.
- VMA. HVA, 5-HIAA in Urine.
- Serotonin.
 - With manual and automatic sample preparation.

METABOLIC DISEASES:

- Porphyrins Differentiated in Urine.
- 5-Aminolevulinic Acid.
- Porphobilinogen in Urine.
- Homocysteine in Plasma.
- Hydroxyproline in Urine.



DESCRIPTION OXIDATIVE STRESS:

- Coenzyme QiO in Whole Blood / Plasma / Serum.
- Carotene in Plasma/ Serum.
- Glutathione in Whole Blood.
- Malondialdehyde in Plasma Serum.
- Vitamin C in Plasma.

>> THERAPEUTIC DRUG MONITORING:

- Aminodarone / Desethylamiodarone.
- Benzodiazepines & Tricyclic Antidepressants.
- Antiepileptic drigs (mcl. Lamotrigine, Trileptal, Sultiam, Zonisamide).
- Levetiracetam.
- Mycophenolic Acid.
- Olanzapine, Desmethylolanzapine.
- Itraconazole, Posaconazole.
- Antí-HIV Drugs.

>> RISK FACTOR FOR ARTERIOSCLEROSIS:

Homocysteine

>> ANTIPSYCHOTIC DRUGS:

A typical Neuroleptics in Plasma/ Serum -On-Line Analysis

PHENYLALANINE (Phe, Tyr, Trp) :

- in Whole Blood, Plasma / Filterspots
- Porphyrins Differentiated in Urine
- Total Porphyrins in Urine



>> VITAMIN STATUS:

- Vitamins A and E in Plasma
- Vitamin Bi in Whole Blood
- Vitamin B2 in Whole Blood
- Vitamin B6 in Plasma / Whole Blood
- Vitamins Bi, B2, B6 (Combikit)
- 25-OH Vitamin D2 / D3 in Plasma / Serum

METANEPHRINES IN URINE:

- With manual and automatic sample preparation
- Serotonin in Plasma
- Serotonin in Urine

>> OCCUPATIONAL MEDICINE:

- Hippurich Acid
- Methyl Hippurich Acid,
- Mendelic Acid
- Phenyl Glyoxylic Acid
- O-Cresol
- P-Cresol & Phenol

>> OSTEOPOROSIS DIAGNOSIS:

- Cross links (pyridiloline, Dioxy pyridiloline)
- 25/OH/Vitamin, D3/D2

PORPHYRIN PROFILING AMINO ACIDS



HbA1C HPLC

INTRODUCTION:

Hemoglobin Alc(HbA1C)Hemoglobin venant are very useful tests in monitoring and diagnostis of diabetic, anemia, Sickal Cell, Thalassemia patients, HbA1c is Measurement of the Mean Amount of Blood Glucose Present in the patient Over The Previous 3 months and is Therefore useful as monitoring & Diagnostic Tools.

>> TECHNOLOGY:

HbA1C 3000 Analyzer Uses the Established International Reference Method of ion Exchange Chromatography with HPLC Principle. It Uses The Micro Column And Ragents to Separate The HbA1C From the Non Glycated Fraction.

HbA1C 3000 Uses Ion Exchange Chromatography In Conjunction with Gradient Elution to Separate Human Hemoglobin Subtypes and Venants from Hymolysed whole Blood, The Separated Hemoglobin Fractions are Monitored by means of Absorption of light And The Chromatogram Obtained is Recorded and Stored By Internal Computer. A software program in instrument performs the analysis of the Chromatogram Generates results.

>> PERFORMANCE CHARACTERISTICS:

Method: Ion Exchange Chromatography with HPLC Principal Automatic Sample Entry on Board Capacity of 50 sample or 120 samples sample Cycle:<= 1 50s/TEST Good Precision: CV <=2%

EXPAND CAPACITY:

- Transmit Data Via RS232
- Print Test Result Automatically
- Password Protected To Prevent Misuse
- Sample Cycle: < =150s/TEST (for HbA1 HPLC)
- Spinning of vacutainer before aspiration to avoid improper sampling
- Built column thermostat for reproducibility of results.



TESTING:

Wavelength: 415NM (190- 700 for BioLC)

• Measuring Range (NGSP VALUES): 4%-17 %, R> =0.99

Precision: CV<=2%

Automatic Mixing, barcode Reading and reagent Lavel Alarm

Power Source: Voltage: 220/240V

• Current Frequency: 50-60Hz

Power:<= 100VA

Dimensions: L:W:H = 61OMM*500MM*410MM

Net Weight: 28Kg

DESCRIPTION OF STREET OF STREET

Optional Feature For HbA1c HPLC System

- Automatic Mixing
- Barcode Reading
- Data Input: Touch Screen
- Reagent Level Alarm
- Eliminate Unstable RB and Identify Variant RB
- Interface to Laboratory Information Management System (LIMS)
- Automatic Identify The Sample Type: Diluent Mode Or Whole Blood Mode
- Integral Thermal Printer
- Autosampler (120 Samples)/Auto Loader (50 Samples)



Testimonials / Chromatograms

Chromatogram of the HbA1c reference standard (Order no 11011): HbA1c analyzer Diamat, 5-min Program

Retention Time:

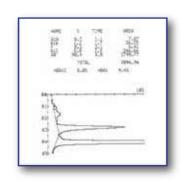
 HbA1a:
 1.01mm

 Hba1b:
 1.7 min

 HbF:
 2.1 min

 HbA1c:
 2.8 min

 Hb 0:
 4.0 min



Chromatogram of a hemolysed nondiabetic whole blood sample

HbA1c analyzer Diamat, 5-min Program

Retention Time:

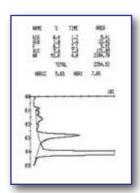
 HbA1a
 : 1.2mm

 Hba1b
 : 1.6 min

 HbF
 : 2.1mm

 HbA1c
 : 2.8 min

 Hb 0
 : 4.0 min



Chromatogram of a hemolysed diabetic whole blood sample

HbA1c analyzer Variant

Retention Time:

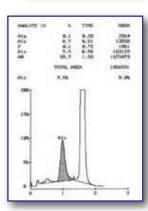
 HbA1a
 : 0.38 min

 Hba1b
 : 0.51 min

 HbF
 : 0.72 min

 HbA1c
 : 0.98 min

 Hb 0
 : 1.58mm



Chromatogram of a hemolysedwhole blood sample with inceased Hb F and heterozygate Hb S

HbA1c analyzer Variant

Retention Time:

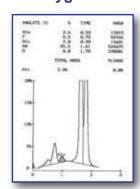
 HbA1b
 : 0.53 min

 HbF
 : 0.75 min

 HbA1C
 : 0.99 min

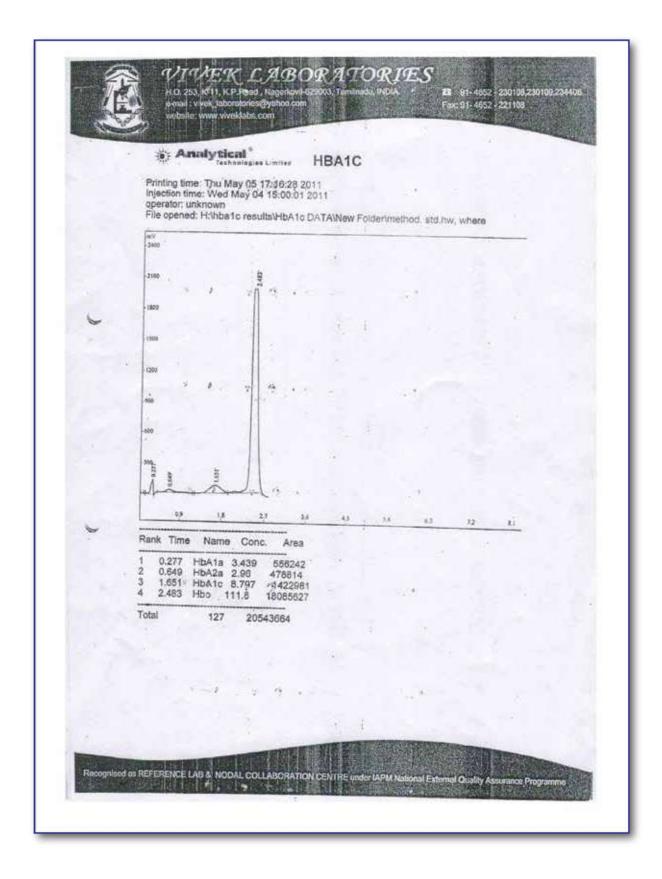
 HbA 0
 : 1.61 min

 HbS
 : 1.78 min



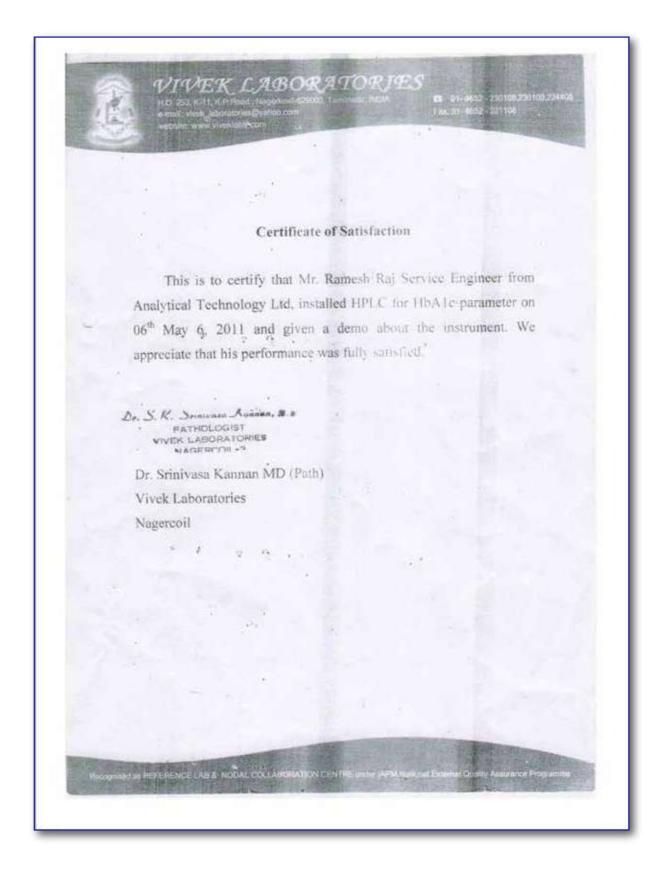


HbA1c Chromatogram Report





HbA1c Satisfactory Certificate



Regulatory compliances



>> Corporate Social Responsibility



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- 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.

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