

Multiplelabs
Turnkey Laboratories Solutions



Analytical[®]
Technologies Limited

ACA-3021

Auto Chemistry Analyser



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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

▶▶ System Function

- Category Discrete fully automatic chemistry analyzer
- Throughput Up to 150 tests/hour
- Methodology Endpoint method, Fixed-time method, Kinetic method
- Reagent Open system/Closed system
- Reaction volume 160m500pL
- Water consumption 2L/hour
- Principle Colorimetry, Turbidimetry
- Sample mode Random access, STAT sample priority

▶▶ Sampling & Mixing System

- Sample volume 2~50μL, step by 0.1μL
- Sample disc 40 positions
- Sample/reagent probe One probe for sample and reagent with liquid level detection and collision protection function
- Sample tubes Regular sample tube (13x100mm, 13x75 mm, 12x100 mm, 12x75 mm), Vacuum tube, eppendorf tube, plastic tube and etc.
- Reagent volume RI: 150-450μL, R2:10-300μL, step by 1μL
- Reagent disc 40 reagent positions, 24 hours water cooling
- Reagent bottles Olympus and Hitachi reagent bottle
- Mixing bar Independent mixer, Nano-polishing flat bar.

▶▶ Reaction Disc

- Reaction cuvettes 50 cuvettes
Semi-permanent rigid UV special plastic cuvettes
- Reaction temperature 37±0.1 °C

▶▶ Optical System

- Lamp Halogen lamp, water cooling system.
- Filter FMSS(Full-sealed matrix spectrometric system)
- Wavelength 340-670nm, 8 wavelength,
- Linear range O-3.5Abs
- Detector Photodiode detector array

▶▶ **Cal & QC**

- Calibration mode One point linear, dual point linear, multi-point linear, Logit-4P, Logit-5P, spline, exponential, polynomial
- Calibration curve Calibration curve auto check, auto curve filling
- QC chart type Westgard, Cum-sum-check, Twin Plot
- Out of control Automatic data analysis, automatic alert for out-of-control

▶▶ **Software**

- Operating system Windows XP, Win7/Win10
- LIS interface Bi-directional LIS interface
- Print format Multi default formats, self-defined formats
- System monitor Real time monitoring for sample disc, reagent disc, reaction disc. Real time monitoring for QC status. Real time monitoring for reaction cuvettes status, lamp status and temperature. Real time monitoring for reagent volume, reaction curve, Calibration curve and QC curve. Linear range limitation, Substrate exhaustion judgement and prozone detecting. Abnormal status warning
- Other function User permission administration, test panel function, calculated/manual parameter programming, avoid cross contamination function, sample and reagent blank auto calculation, automatic fault recover, automatic print, data statistic
- PC interface RS-232

▶▶ **Others**

- Dimension 750mm(L)x470mm(D)x580(H)
- Power supply AC 100-240V, 50/60Hz±1 Hz, □350VA
- Net weight 45Kg
- Optional parts Reagent/sample barcode reader, Water purification modular, PC, HP laser printer



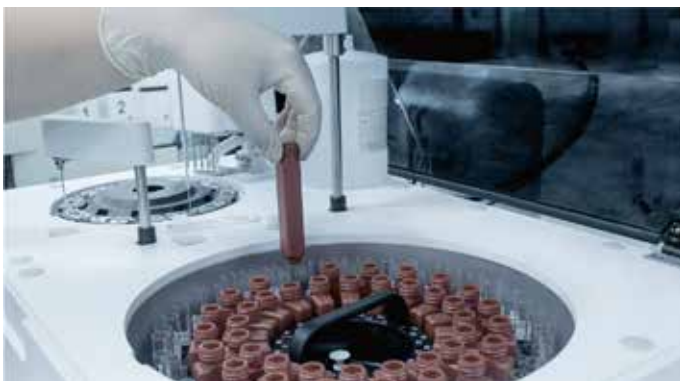
Cost Efficiency

- Compact design saving space
- Water consumption : 2L/H
- Minimum reaction volume : 160ul



Precise Result

- High accuracy ceramic syringe
- Nano-polishing probe & mixer bar
- 6-step auto washing station



Suitable Capacity

- 40 Sample positions
- 40 Reagent positions
- Silent water cooling design



Friendly Operation

- Bi-directional LIS communication
- Real-time status monitoring
- Multiply calibration mode and QC type

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



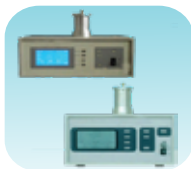
Atomic Absorption
Spectrophotometer



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.

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