Multiplelabs
Turnkey Laboratories Solutions

Analytical®
Technologies Limited

NanoBIO - 3.0

NanoBIO

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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

- NanoBIO is a specialized instrument for bio-chemical research, especially for micro-volume solution concentration measurement.
  NanoBIO has a whole new technology of optical system design. There is NO optical fiber needed. Moreover, with the vertical slide design, the sample measuring area is more durable and stable.
  NanoBIO has a reliable measurement range of concentration from 2 to 2000 (ng/µl) and has a great resistance for the interferences of ambient light to get more accurate measurement.

Specification :

Measurement Sample Size	2 ul (A)OD230nm. OD260nm. OD280nm. OD320nm (B)Sample concentration (ng/ul) (C)OD260nm/OD230nm. OD260nm/OD280nm
Measurement Data Output	2 ng/ul (dsDNA). 1.6 ng/ul (RNA)
Minimum Concentration	2,000 nglul (dsDNA), 1,600 ng/ul (RNA)
Maximum Concentration	Quartz glass
Light Propagation Material	0.04 ~ 40
Absorbance Range (10mm)	~0.5 mm
Pathlength	< 5 sec
Measurement Time Operation System	Android OS (ver. 4.4.3)
LCD Resolution	7 inches, 1024(W)x 600(H) dots matrix
Light Source	Xenon flash lamp
Internal Storage	32GB
Data Output Interface	Thermal printer
Data Connection interface	1. Wi-Fi x 1 (USB dongle) 2. OTG USB x 1 (connected to PC to access) 3. Ethernet x 1 (RJ-45) 4. USB x 1
Maintenance	Auto diagnosis, Calibration Program, Fix pathlength
Operating Voltage	12 V
Dimensions	20(W) X 21 (D) X 33(H) cm
Weight	3.5 Kg

• **Focus on nucleic acid and protein**

230nm/260nm/280nm/320nm

• **Convenient**

2 µl sample only, measurement in less than 5 seconds

• **Accurate**

High reproducibility and repeatability

• **User-friendly interface**

Touch screen, USB, Wi-Fi, ethernet and QR code

• **All-in-one**

Embedded computer and thermo printer

• **Low-cost operation**

No plates or other consumables

• **Best concentration range**

2 ng/µL~2,000 ng/µL (dsDNA) without dilution

• **Reliable, repeatable, and reproducible concentration**

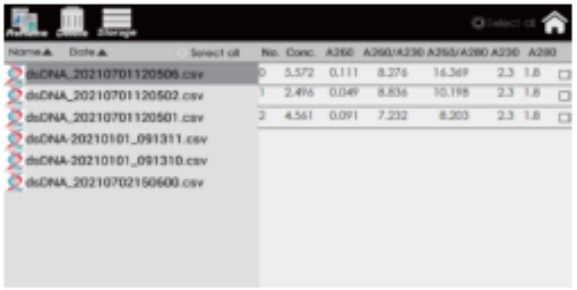
NanoBIO Pro does not intend to change light path-length during measurement to reduce frequency of calibration. Instead, NanoBIO Pro develops and offers an in-house mathematical algorithm to help users acquire more reliable, repeatable, and reproducible bio-chemical solution concentrations.

• **Non-optical-fiber design**

With ATL's new technology, non-optical-design, NanoBIO Pro can offer the high reliability in accuracy and prevent from the unavoidable issue caused by the attenuation of light intensity in the optical path when the device equipped with fiber-optic components as consumables.

• **High precision in the positioning of optical path**

The height of optical path-length is precisely fixed in 0.5mm by fixed pin. Compared to other micro volume spectrophotometers, which need to be constantly calibrated to maintain the precision and to make the optical path length into position, NanoBIO Pro works with a metal cover that can "straightly" go up and down in y-axial via a reliable slider and that way contributes to the rigid positioning of the optical path length in y-axis and always to be perpendicular to the bottom quartz glass.



• Accessible measurement results

The measurement results can be accessible via the embedded touch panel, thermal printer, USB storage as well as Wi-Fi transfer.

• Adjustable light intensity contributes to the stable performance

In order to prevent from the impacts caused by the derivations in various environmental conditions, such as different ranges of temperature, humidity, latitude, etc., and to make sure the measurement for the same sample should be leaded to the same results, the adjustable light source provides with the adjustable voltage in intensity. With this new technology, user just needs two micro-liter of ddH2O as the standard volume, and gets back to the stable performance again via the built-in calibration mode.

• Compared to other spectrophotometers

There are some kinds of micro volume spectrophotometer for DNA, RNA and protein right now. But NanoBIO Pro is definitely the most special one. Most spectrophotometers use whole wavelength spectrum from 200nm to 900nm, need calibration by experts time to time, and install software in another stand-alone computer to operate. NanoBIOPro provides a much better and more economical solution for most functions. By using the specific useful wavelengths (230/260/280/320nm) and automatic calibration, the embedding operating system offers an outstanding performance of accuracy and a much lower price compared to other spectrophotometers. Also, NanoBIOPro is a “non-optical-fiber” system, which can contribute to the longer product life-time compared to others embedded with optical fiber as consumables.

Analytical®
Technologies Limited

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 Maintenace 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, Manufaturing, 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

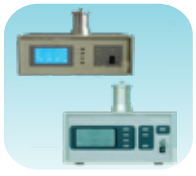
Optima Gas Chromatograph 2979 Plus

Flash Chromatograph

Atomic Absorption Spectrophotometer

Liquid 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:

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 personallities 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 DETOXIFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

Reach us @

Analytical® Technologies Limited

HPLC Solutions | MultipleLabs | Analytical Bio-Med | Analytical Distributors | Analytical Foundation (Trust)

Corporate & Regd. Office:
Analytical House, # E67 & E68,
Ravi Park, Vasna Road, Baroda,
Gujarat 390 015. INDIA

T: +91 265 2253620
+91 265 2252839
+91 265 2252370
F: +91 265 2254395

E: info@hplctechnologies.com
info@multiplelabs.com
info@analyticalgroup.net
info@analyticalbiomed.com

W. www.analycalgroup.net
www.hplctechnologies.com
www.multiplelabs.com
www.ais-india.com

Sales & Support Offices:
across the country :
Distributors & Channel
partners World Wide