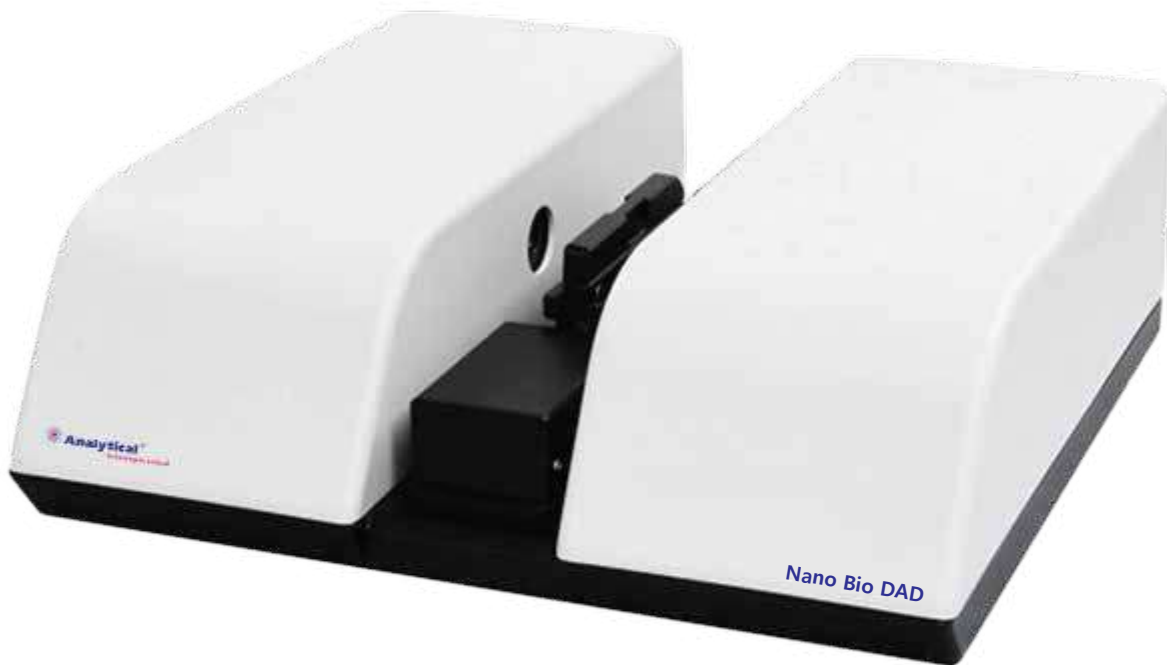


Nano Bio DAD/PDA UV-Vis Spectrophotometer



Measurement of Micro Volume Biological Samples

Nano bio DAD with Nano Stick is designed for accurate micro-volume measurements to quantify DNA and Protein for life science. Nano Stick, developed by analytical technologies limited, is the ideal sampling device for small sample volumes as low as 0.5µl

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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►►► Features



Every life science lab is unique and requires measurements of a variety of samples. Having Nano bio DAD, a full-featured and diode array-based spectrophotometer in your laboratory provides flexibility for routine and fast assays. Nano bio DAD and its various accessories including Nano Stick, Multi-Stick and standard cuvette cell holder, meet the needs of laboratory scientist looking for innovation and enhancement in their life science research.

Nano Stick and Multi-Stick are designed for accurate micro volume measurements to quantify DNA and Protein for life science. The Multi-Stick is useful to measure multi samples (up to 8 samples) at a single sampling.



Nano Stick

Nano Stick and Multi- Stick make the process simple, quick and easy to clean. By reducing sample volume and providing greater accuracy, Nano Stick and Multi-Stick offer a complete solution to analyze DNA, RNA and protein.



Multi-Stick

First innovative creation for the life science

- Superior accuracy and reproducibility
- Sample size as small as 0.5 l, conserves precious samples
- No sample dilution
- Easy to use and clean



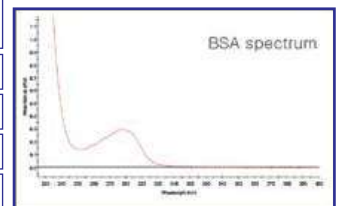
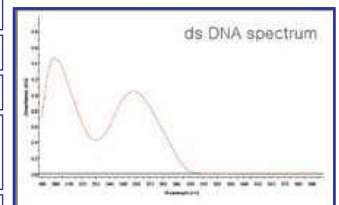
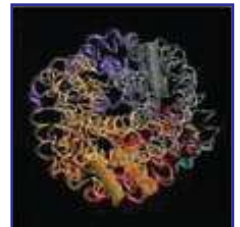
Nano Stick sampling



Multi-Stick sampling

►► Specifications

Nano Bio DAD	
Wavelength Range	190~1100 nm Typical 200 ~ 900 nm Measurement
Wavelength Resolution	2 nm
Light Sources	Xenon flash lamp
Detector	Photo Diode array
Wavelength Accuracy	±1 nm (Holmium Oxide Solution)
Wavelength Reproducibility	<0.02 nm (NIST 2034)
Photometric Range	-3.0 ~ +3.0 AU
Photometric Accuracy	± 0.01 AU with 60 ppm Potassium Dichromate ± 0.005 AU with 0.5 AU NIST 930e ±0.01 AU with 1.0 AU NIST 930e
Photometric Noise	<0.002 AU/h at 300 nm
Photometric Stability	< 0.002 AU/h at 0 AU. 300 nm
Photometric Reproducibility	<0.002 at 0.5 AU with glass filter <0.002 at 1.0 AU with glass filter
Stray Light	<0.03%T at 340 nm (NaNO ₂) <0.05%T at 220 nm (NaI) <1.00%T at 198 nm (KCl)
Connectivity	USB
Dimensions	340(W) x 320(D) x 115 (H) mm
Weight	6.6 Kg
Power Requirements	100 -230 V a.c., @50/60Hz



Nano Bio DAD Specifications

	Nano Stick-S		Multi-Stick
Pathlength	0.5 mm	0.2 mm	0.5 mm
Physical Dimensions	12.5 x 12.5 x 60 mm (WDH)		
Beam Height (Z-Dimension)	15 or 8.5 mm		-
Minimum Sample Volume	5 ul	0.5 ul	2 ul
DNA Detection Limit	1.1 ng/ul	1.5 ng/ul	4 ng/ul
DNA Maximum Concentration	3000 ng/ul	7500 ng/ul	3000 ng/ul
DNA Reproducibility at 100 ng/ul	±1.0 ng/ul	±0.8 ng/ul	+1.5 ng/ul
DNA Reproducibility at 1000 ng/ul	±3.0 ng/ul	±4.0 ng/ul	+1.5%
Protein Detection Limit	±0.06 mg/ul	0.08 mg/ul	0.06 mg/ml
Protein Maximum Concentration	100 mg/ul	100 mg/ul	100 mg/ml
Protein Reproducibility at 2 mg/ml	+0.02 mg/ml mg/ul	±0.03 mg/ul	+0.5 mg/ml
Protein Reproducibility at 10 mg/ml	+0.05 mg/ml mg/ul	±0.04 mg/ul	+2.2% mg/ml
Detection limit for nucleic acid	2.5 ng/ul		
Random error	<0.002		

▶▶▶ Regulatory compliances



▶▶▶ Corporate Social Responsibility

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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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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.ais-india.com
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