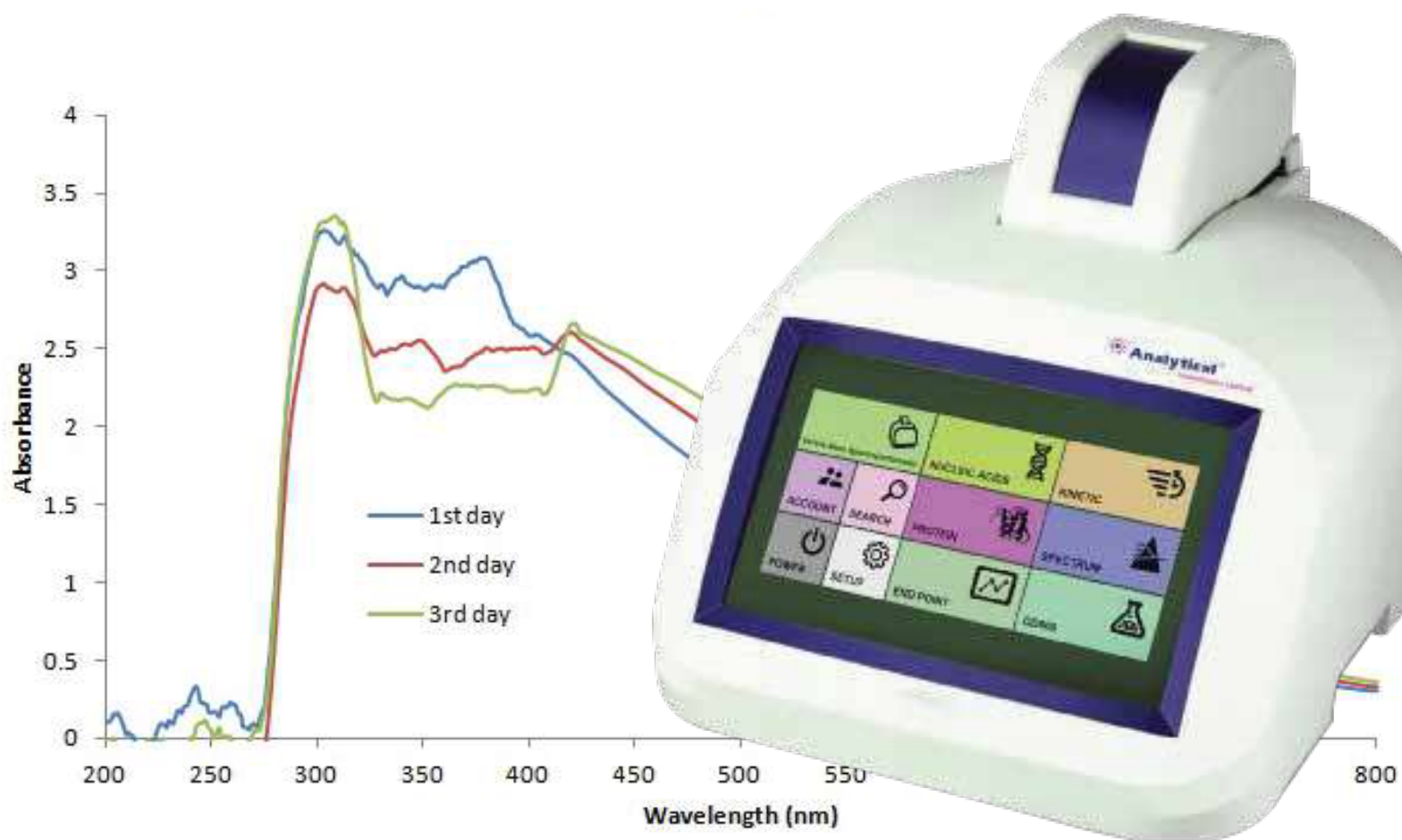


# NanoBio

## UV-Vis Nano Spectrophotometer

Updated Version 16/01/2020



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

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

## ►► TECHNICAL SPECIFICATION

General Specification	
Light Source	Xenon Flash Lamp
Detector Type	2048-Element linear silicon CCD array
Wavelength Accuracy	1nm
Wavelength Range	190nm~1100nm
Spectral Resolution	0.3nm
Dimension	W:220mm D:280mm H:220mm
Weight	3 kg
Operating Voltage	100~240V, 50~60Hz
Power Consumption	20 to 40 w
Warranty	1 year
LCD Touch Panel	7.0 inch
Absorbance Accuracy	2%

Nano Volume Specification	
Absorbance Precision	0.002 (1mm path)
Absorbance Range	0.02 ~ 300 Abs. (10mm equivalent)
Detection Limit	2 ng/uL (dsDNA) and 60 ng/ul (BSA)
Maximum Concentration	30,000 ng/μl (ds DNA)
Measurement Time	3 sec
Minimum Sample Volume	0.5μL
Sample Number	01
Path Length	1mm (auto-ranging to 0.5mm)
Sample pedestal material of construction	303 stainless steel and quartz fiber
Sample contaminant identification facility	yes

Cuvette Specification	
Beam Height	8.5mm
Path Length	10, 5, 2, 1mm
Absorbance Range	0-550 A
Detection Limit	0.2ng/μL (dsDNA)
Maximum Concentration	1000ng/μL (dsDNA)
Measurement Time	2 sec
Heating	37°C ±0.5°C

## ►► SOFTWARE

- Windows based software.
- Display data in graphical and numerical form.
- Powerful software with ten preconfigured modules and method editor.
- Separate interface via pc.

## ►► RESULT ANALYSIS

- Single Wavelength / Spectrum Selection
- End Point / Kinetic Mode Selection
- Quantitative Measurements for Nucleic Acid, Protein, and etc.
- Cell Concentration
- Simple Data Backup and Software Upgrade via USB Flash Drive
- Easy to Confirm the Result via Graphical Presentation
- Dual modes Pedestal and Cuvette
- Sample Pedestal: Material of Construction stainless steel and quartz fiberr

## ►► VARIETY & PRECISION IN DETECTION

- End Point & Kinetic Mode in Detection
- High Speed Spectrum Reading (5 Seconds)  
Accurate Detection (Less than  $\pm 0.002$ )
- Wide Range of Wavelength Detection with Cuvette
- Nano Volume Sample Measurement (Nucleic Acid / Protein)
- High Repeatability in Quantitative Measurement for Nucleic Acid

## ►► SIMPLE & LIGHT IN DESIGN

- Compact Size and Light Weight
- Easy Operation with Minimized Steps for Measurements and Analysis
- Simple Operation through 7.0 inch Touch LCD
- Quick Boot – No Lamp Warm-up Time
- Stand-Alone – Perform All Functions without PC





## ▶▶ 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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