



Microplate Reader

M-2201



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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net



Microplate Spectrophotometer is designed for a wide range of applications, from nucleic acid and protein quantification to cell-based assays and ELISAs.

Analytical bridges the gap between high-cost, high-performance, monochromator-based absorbance readers and the lower cost, lower performing filter-based absorbance readers by providing excellent, full spectral UV/Vis measurements in a compact, efficient and robust design.

Analytical high quality optical system incorporates a precision monochromator for wavelength selection without using interference filters. Microplate assays in 6- to 384-well plates are quickly and efficiently run via ATL Software.

When sample volumes are critical, the optional ATL Micro-Volume Plates allow up to sixteen or forty-eight 2 μ L samples to be measured quickly and easily in the Model.

For the budget conscious laboratory focused on important nucleic acid and protein quantification as well as standard ELISA and other colorimetric assays, the Analytical Microplate Spectrophotometer offers unsurpassed versatility. To further automate your process, ATL can be integrated to an optional robot compatible model.

>> Features:

- Monochromator wavelength selection from 200 nm to 999 nm in 1 nm increments
- 6- to 384-well plate reading capability
- Automated pathlength correction for direct quantification without diluting samples
- Spectral scanning, endpoint, kinetic, and well area scanning measurements
- ATL Data Analysis Software included
- Integrated detector and electronics for low-noise measurements
- Xenon flash lamp to last the instrument's lifetime
- Robust housing design for longevity even under heavy usage
- Compatible with ATL Micro-Volume Plates for low (2 μL) volume, ATL or cuvette measurements, strips, flat bottom and U bottom plates
- Linear and or orbital shaking
- USB port facility



>> Typical Applications:

- Nucleic acid quantification
- Protein quantification
- 260/280 and 260/230 purity measurements
- ELISA
- Enzyme kinetics
- Cytotoxicity
- Cell proliferation
- · Micro-volume assays with Take3 plate

>> Configurations:

Microplate Spectrophotometer
Microplate Spectrophotometer, automation compatible

>> Optional Accessories:

- ATL Micro-Volume Plates
- ATL Secure for 21 CFR Part 11 compliance
- Product Qualification Package
- Patented ATL.
- Absorbance Test Plate



configuration is compatible with ATL Microplate Stacker.



>> Specifications:

General

Detection method : Absorbance

Read method : End point, kinetic, spectral scan, well area scan

Microplate types : 6 to 384 wells

Other labware : Take3 Micro-Volume Plate

Software : Data Analysis Software

Automation : Compatible with 3rd party automation

Absorbance

Wavelength range : 200 nm – 999 nm, selectable in 1 nm increments

Bandpass : 4 nm

Dynamic range : 0 - 4.0 OD

Resolution 0.0001:

Monochromator wavelength

Accuracy : ±2 nm

OD accuracy : 0.0 to 2.0 OD: ±1% ±0.010 OD

2.0 to 2.5 OD : ±3% ±0.010 OD

OD linearity : 0.0 to 2.0 OD: ±1% ±0.010 OD

2.0 to 2.5 OD : ±3% ±0.010 OD

OD repeatability : 0.0 to 2.0 OD: ±1% ±0.005 OD

2.0 to 2.5 OD : ±3% ±0.005 OD

Reading speed : 96 wells: 15 seconds

384 wells: 31 seconds

Incubation Temprature : 4°C to 45°C

Physical Characteristics:

Power : 100 – 240 Volts AC. 50/60 Hz

Dimensions : 12" W x 12.5" D x 7.7" H (30.5 cm x 31.8 cm x 19.6 cm)

Weight : <15 lbs (6.8 kg)

▶ Regulatory:

CE marked In Vitro Diagnostic use configurations available.



>> HPLC Servicing, Validation, Trainings and Preventive Maintenance:

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 : We offer user training both in-House and at customer sites on PLC principles, oper-

ations, troubleshooting.

Validations : We have protocols for carrying out periodic Validations as per GLP/ GMP/U SFDA

norms.

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 globe. 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 2060+ Double Beam



FTIR



Gas Chromatograph 3000



Gas Chromatograph 2979 Plus



Flash Chromatograph



Atomic Absorption
Spectrophotometer



Liquid Partical Counter



Optical Emission
Spectrophotometer



DSC/TGA



NOVA 2020 plus Automated Bio Chemistry Analyzer



HEMA 2020 Hematology Analyzer



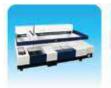
Micro Plate Reader/Washer



URINOVA 2800 Urine Analyzer



Total Organic Carbon



Fully Automated CLIA



NOVA Basic Semi-Auto Chemistry Analyzer



PCR/Gradient PCR/ RTPCR



Blood Gas Analyzer



Random access Analyzer for immunoassay Proteins & dinical chemistry



Semen Analyzer



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.

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To a more green a military

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