



Multiplelabs
Turnkey Laboratories Solutions



Analytical[®]
Technologies Limited

MDS - 3650L

Microwave Digestion System



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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► Features:

• • Special Designed Sample Digestion Vessel

The automatic vent and self-resealing structure which won national patent ensures the digestion vessels can automatically release pressure and instantly reseal when a sudden over-pressure situation occurs. It prevents waste of batch samples and solutions and also avoids vessel damage.

• Contact-less Temperature and Pressure Monitoring System

The advanced contact-less IR sensor could measure the real-time temperature of sample solutions in each digestion vessel. Meanwhile, the contact-less pressure sensor could monitor the real-time pressure of each vessel. This realizes isolation between temperature and pressure controlling system, also avoids sample cross-contamination. Each real-time temperature and pressure value is displayed during the whole digestion process, allowing a clear check of digestion conditions.

• Large Storage Capacity

It can edit and store 255 types of programs according to user's requirements and each method program can set parameters (temperature, pressure, time microwave power) according to their own requirements which provides convenient operation for users.

• Safety Protection System

With high-strength double locked security door, the real-time temperature and pressure monitoring, automatic adjustment of over-pressure and over-temperature and abnormal sound monitoring, the device can run in a highly safe environment.

• Power Adjustment

The variable frequency resonance or non-pulse(optional) continues rotating mode ensures high efficient and even microwave throughput. It can be set between 0~2000W/0~3000W according to user's requirements.

►► Technical Specification :

Vessel Quantity	12 Vessels 118 Vessels
Vessel Volume	100"
Temperature Monitoring	Contactless IR sensor
Display	7 inches Touch Screen
Maximum Working Pressure	6MPa
Temperature Control Range	50~400'C
Dimension	640'630'590mm

Maxilmum Working Temperature	250°C
Inner Vessel Temperature Limit	300°C
Rotation Mode	360 Continuous Rotation
Microwave Power	0-2000W Adjustable/ 0-3000W Adjustable
Temperature Control	Scanning control of each vessel
Pressure Testing	Contactless pressure sensor
Vessel material	Inner Imported TFM Outer Imported PEEK+Glass Fiber
Pressure Control range	0-10MPa
Pressure Control Accuracy	0.01MPa
Power	AC 220V, 16A, 50/60Hz
Weight	70KG/75KG
Temperature Control Accuracy	±0.3°C
Microwave Frequency	2450Hz
Microwave leak	<5mw/cm ²

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 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:



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.

Reach us @



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