

RTPCR COVID-3032

Real Time PCR System



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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

- RTPCR COVID 3032 Real-time PCR System is a portable fluorescence quantitative PCR instrument developed with ATL company. This product adopts four channels and double 16-well blocks design, which can realize multi-purpose of one machine, embedded 7-inch high-definition TFT color touch screen, Windows operating system, with analysis software, and can complete quantitative analysis and printing without computer. It adopts American Marlow custom-made Peltier module, high sensitivity photoelectric detector and side scan technology, to ensure superior performance and stable detection results.

Application fields : the product can be used for real-time detection in pasture, forest farm, breeding farm and water source. It is used for rapid diagnosis of disaster and epidemic disease, inspection and quarantine in the field of food safety, and scientific research in biological laboratories.

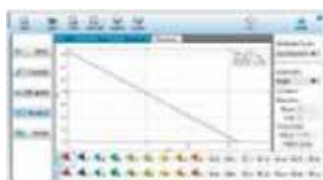
►► Feature

- Double channels and double 8-well blocks design, can run two different programs at the same time.
- Small size, light weight, easy to carry.
- Powerful software analysis function, which can be used for Quantitative Analysis, Melting Curve Analysis, Genotyping, etc.
- 7-inch high-definition TFT color touch screen, and embedded Win10 operating system.
- 20G flash memory can save 40,000 experimental data.
- Printer as an optional which can print the records directly, no need to connect the computer.
- Adopting side scan technology, the detection distance is close, and the fluorescence acquisition signal is stable;
- Black reaction block to avoid background noise.
- Adopt the same acquisition optical path to improve the repeatability.
- LED light source has the advantage of energy saving, environmental protection, long service life and maintenance free.
- The electromagnetic lock cover technology prevents the hot lid from accidentally opening.
- Front shutdown button makes file data more secure.
- Constant current control circuit makes power output smooth and extends Peltier life, also improves temperature control accuracy.

- It has the protection functions of over-current, over temperature, power-off data self recovery, etc.
- Forward and backward air vent design, can be placed side by side, saving laboratory space.
- It can be supported for battery power supply, suitable for quick inspection and field inspection.

►► Specification

Model	3032A	3032B
Sample Capacity	32x0.2ml (2x16well, dual block)	
Consumable	Clear 0.2ml PCRTube /8-tube strips	
Reaction Volume	10-100μl	
Temperature control technology	Marlow customized Peltier allow 1.000.000 cycles	
Temperature Range	0-100°C (Resolution:0.1°C)	
MAX. Ramp Rate	5°C/s	
Temperature fluctuation	±0.1°C	
Uniformity	±0.25°C	
Accuracy	±0.25°C	
Hot Lid Temperature	30-115°C (Adjustable, default 105°C)	
Temperature Control	Block/Tube	
Excitation wavelength	460-650nm	
Emission wavelength	500-580nm	500-720nm
Factory Calibrated Dyes	F1:FAMISYBRGreenI F2: HEX/VIC/JOE/TET	F1: FAM/SYBR GreenI F2: HEX/VIC/JOE/TET F3: ROX/ TEXAS-RED F4: Cy5/Quasar-670
Excitation	Long life LED	
Detection	High sensitivity photoelectric detector	
Dynamic Range	1-1010 Copies	
Sensitivity	1 copy	
Feature function	Absolute /Relative Quantification Melting curve, Genotyping	
Date Export Formata	excel, csv, txt	
Printing	Report can be printed(optional USB thermal printer)	
Display	7 inch color TFT touch screen, 1280x800 pels	
Communication Parts	WIFI/USB2.0	
Dimenaion	300x267x198mm(LxWxH)	
Net Weight	6.7KG	
Voltage	220VAC 50Hz	
Power	DC15V 255W	



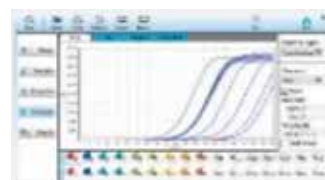
Standard curve



Sample setting



Program setting



Amplification Curve

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.

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Infra FTIR



Optima Gas
Chromatograph
3007



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2979 Plus



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Chromatograph



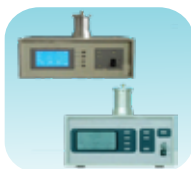
Atomic Absorption
Spectrophotometer



Liquid Particle
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



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Chemistry Analyzer



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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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