

# IFP-3008C/3008C2

Isothermal Fluorescence PCR



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

**Analytical Technologies Limited**

An ISO 9001 Certified Company

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

## ►► **Product Description:**

Allsheng Isothermal Fluorescence PCR is mainly used for sample isothermal amplification and Fluorescence real-time detection, it widely used in rapid detection of pathogenic microorganisms(including viruses, bacteria, mycoplasma fungi and parasites etc.), sanitary inspection of foodstuffs and environmental monitoring, meanwhile, it also can be used in sex identification of animal embryos, as well as genetically modified food(GMF) detection. User-friendly operation system can make results directly interpreted, APP mobile software makes real-time detection come true while the built-in battery design makes the outdoor use possible.

## ►► **Features**

### **Easy operation**

1. The negative and positive results are directly interpreted without any other calculations.
2. With 7 inch touchscreen, stand-alone operations like settings, detection, interpretation and save are available, no need connecting computer.
3. User-friendly software with two-channel fluorescence detection to match with different requirements of kits.

### **Convenient for outdoors portability**

1. Small size with rechargeable batteries makes detection real-time anywhere.
2. Portable test box which is easy equip with other instruments to improve the efficiency of the experiment.

### **More reliable results**

1. Side light detection system which makes minimum detection of 20ul reaction volume possible.
2. Accurate temperature control, temperature difference between wells less than 0.15°C, the temperature control accuracy can reach to 0.1
3. Real-time monitoring of fluorescence signal which avoiding subjective error caused by manual interpretation.

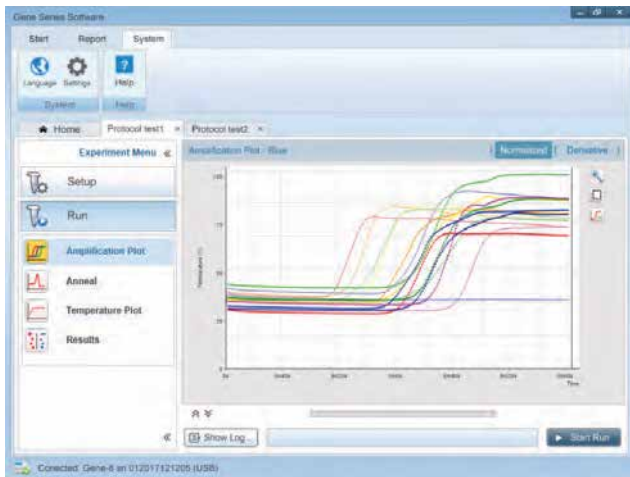
### **Smart system**

1. Apart from embedded software, mobile APP and PC software are also available.
2. Real-time data transmission by mobile APP.
3. Data statistic function can record experimental parameters and original data, easy for retrospect.

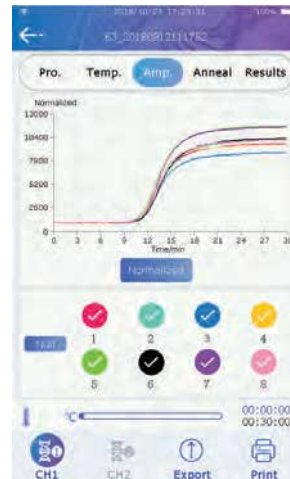
## ►► Isothermal Amplification Technology

Isothermal Amplification Technology is a new technology of Nucleic Acid Isothermal Amplification (NAIA) after PCR technology. Compared with traditional PCR technology, it simplifies instruments and greatly reduces reaction time, therefore, it has great application value and becomes a new favourite molecular diagnosis industry.

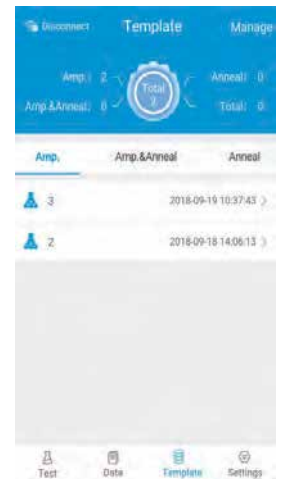
## ►► Operation Interface



PC software



Embedded software



Mobile APP

## ►► Specification

Model		IFP-3008C	IFP-3008C2
Sample plate	Sample size	8-well	
	Packing size	1×8	
	Type	0.2 flat/dome single tube & 8*0.2 strip tube	
	Sample volume	20-100ul (Recommendation: 25-30ul)	
	Dye	FAM/SYBR Green I, HEX/VIC/JOE etc.	
Temperature control	Temp. Range (°C)	Ambient -99°C	
	Max heating speed (°C)	2 °C/s	
	Max cooling speed (°C)	2 °C/s	
	Temp. Uniformity (°C)	±0.152°C	
	Temp. Deviation(°C)	±0.1°C	
	Temp. Control accuracy(°C)	0.°C	
	Heating lid function	Yes	
Light path	Channel	Single-channel	Two-channel
	Excitation wavelength	F1: 470/30nm	F1: 470/30nm,F2: 590/20nm
	Detection wavelength	F1: 525/20nm	F1: 525/20nm,F2: 630/20nm
	Excitation light source	LED	
	Detection mode	Real-time fluorescent signal detection	
Software & Features	Data analysis	Positive or negative can be interpreted directly according to the sample tested.	
	Result display	1. Positive/Negative 2. Peak time 3. Anneal Tm value	
	Interpretation method	1. Interpreted by Amplification Plot 2. Interpreted by instrument automatically	
	Display	7 inch touch screen	
Power supply	Software	Embedded software, Mobile APP, PC software(Android System)	
	Input power	100~240V, 50~60Hz	
	Rated voltage	12V, 4A	
	Power	40W	
	Storage battery	Chargeable battery (optional)	

## 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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Ion Chromatograph



Water purification  
system



## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



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**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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