

4 Channels Real-time Quantitative PCR Detecting System

Real-Time Quantitative PCR Detecting System



SPECIFICATIONS

RT-988

<u>Consumable</u>	0.1ml no profile 96 micro-well plate Strip Tubes 0.1 ml (8 tubes)	
Samples per run	96 well, including positive and negative controls	
Reagents	F1: FAM, SYBR Green I F3: ROX, TEXAS-RED Etc.	F2: VIC, HEX, TET, JOE F4: CY5
Reaction volume	5-50μl	
Proposal quality controls	Positive + Negative + Blank control	
Temperature control system	Semiconductor refrigeration table based heating and cooling technology (MCU technology)	
Optical system	Highlight LED light source	
Detector	Photodiode	
Parameters	Emission wavelength	300-800nm
	Excitation wavelength	500-800nm
	Temperature range	+4.0°C - +99.0°C
	Lid temperature	+100°C - +120°C
	Heating/Cooling rate	0.1-4.0°C/s
	Thermal uniformity	$\leq \pm 0.3^\circ\text{C}$

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	Thermal accuracy	$\leq \pm 0.1^{\circ}\text{C}$
	Detection range	101—1010 DNA/RNA copies/ml
	Reproducibility	$\text{CV} \leq 2.1\%$
	Correlation coefficient of nucleic acid precision	$R \leq 0.997$
Software port	Temperature stages	1~99
	Cycles	1~999
	Thermal insulation(holding	+4°C long-term
	Upgrade	Remote internal control
	Network port	
Display	7-inch full-color touch screen, stand-alone operation	
Operation system	Windows	
Dimensions	540W×300D×480H mm	
Weight	35kg	
Temperatures and relative humidity	+5~+40°C, RH \leq 80%	
Power	AC220 × (1±10%)V,50 × (1±2%)HZ	
Power consumption	1100VA	

Key Features

The latest real-time PCR has a better heating/cooling rate, temperature accuracy, uniformity and stability, RT-988 has a huge capacity that up to 96 samples per run. it is the new design with four channels as the default, that makes the instrument covers the main fluorescence detection wavelength ranges.

- 7-inch full-color touch screen embedded. Stand-alone operation , free from computers.
- Push-pull, electrical controlled elevating platform
- Concealed hot lid with constant temperatures and pressures, automatic elevating platform, which provide more security for users.
- Block is automatically cooled to room temperature when pulled out, which can prevent users from the instant scald.
- Experiment programs and datum can be copied with a U-disk directly.

Application

- Diagnosis of clinical diseases
- Detection of animal diseases
- Food Security
- Science and research

Support & Services

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

AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, 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.



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