

THERMAL CYCLERS & REAL-TIME PCR SYSTEM



The Iris ITR-1000 real time PCR is applicable for real-time detection in farming, breeding, pasteurization, and water sources along with other useful application for detecting and diagnosis epidemic disease, inspection and quarantine in the field of food safety and R & D sectors. ITR-1000 is fluorescence quantitative PCR types with Marlow custom peltier design.

- Single/Dual channel and dual 8 wells blocks
- Useful function are Absolute/Relative Quantifications/Melting curve/Genotyping
- Side scan technology for short distance and fluorescence acquisition detection process
- Available black reaction block to avoid noise
- Support 20G flash memory to protect 40000 experimental data
- Electromagnetic lock cover technology to avoid accident by hot lid
- Adopt front shut down button for protecting data
- Adopt 10 operating system
- Forward and backward air vent
- Fit for quick and field inception
- Software and printer as an optional accessories
- Provide protection for over current, over temperature, power off data recovery
- Easy to handle, easy to carry

Model	ITR-1010	ITR-1020
Capacity	16x0.2 ml(2x8 well, dual block)	
Reaction Volume	10 to 100 µl	
Display	7 inch TFT Display	
Temperature Range	0 to 100°C	
Resolution	0.1 °C	
Uniformity	± 0.25 °C	
Accuracy	± 0.25 °C	
Temperature Control	Block/Tube	
Sensitivity	1 Copy	
Test Dynamic Range	1 to 10 ¹⁰ Copies	
Fluorescent Dye	F1:FAM/SYBR Green I, F2:HEX/VIC/JOE/TET	
Channel	Single Channel	Dual Channel
Ramping Rate	6 °C/s	
Hot Lid Temperature	30 to 115°C (Default 105°C)	
Excitation Wavelength	460 to 550 nm	
Emission Wavelength	F1: 520 to 540 nm	F1: 520 to 540 nm & F2: 540 to 580 nm
Detector	Photoelectric Detector	
Function	Absolute/Relative Quantifications/Melting curve/Genotyping	
Connectivity	Wi-Fi, USB2.0	
Power Consumption	250 W	
Dimensions	300x267x198 mm	
Weight	5.5 kg	
Electrical Requirements	DC15 V	
Catalogue No.	6005005-00	6005010-00

