

THERMAL CYCLERS & REAL-TIME PCR SYSTEM



The Real-Time PCR System 2 Channel ITR-2000 has been used in immunology, HGP, forensic medicine, oncology, histology, population biology, paleobiologic, zoology, botany and clinical diagnosis of viruses, tumours and hereditary disorder. Designed with 8×0.2 ml (5 to 100 µ), 8 strip tubes capacity and 10 to 10 test dynamic range. Rapidly set up runs and monitor amplification traces in real time on integrated TFT display screen.

- The system composed of Real-time sample with 2 independent detection system thermal cycler
- Achieve accurate results
- On board chargers for rapid outdoor detection
- Small and transportable unit
- Simple to practice: Sharp, clear 7 inch TFT Composed of PCR, LAMP, RPA open system reagent
- USB 2.0 cable
- Highly cost effective 2 channels along with fluorescent dyes
- Fluorescent dyes included F1: FAM, SYBR Green I F2: HEX, VIC, JOE
- Design the system for appropriate requirements
- Outstanding performance of thermal plate

Model	ITR-2000
Capacity	8×0.2 ml (5 to 100 µl), 8 strip tubes
Reagent	open system (PCR, LAMP, RPA)
Display	TFT display
Temperature Range	30 to 99.9°C
Uniformity	±0.1°C
Accuracy	±0.1°C
Temperature Control	±0.1°C
Sensitivity	10 copy
Test Dynamic Range	10 to 10
Fluorescent Dye	F1: FAM, SYBR Green I F2: HEX, VIC, JOE
Channel	2
Ramping Rate	7 6.5°C/s
Hot Lid Temperature	30 to 110°C
Sample Linearity	r ² 0.98
Fluorescent Linearity	r ² 0.99
Fluorescent Intensity Detection	CV?1%
Operating System	LED+PD
Software	Stand alone and PC software
Connectivity	USB 2.0
Overall Dimensions	300×260×170 mm
Weight	Light and Portable
Electrical Requirements	12 V DC
Catalogue No.	6005505-00

