

Real-Time PCR System 6 Channel ITR-6000(240V/60Hz)



Real-Time PCR System 6 Channel ITR-6000 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 3×48×0.2 ml (5 to 100 µl) capacity and 10⁰ to 10¹⁰ test dynamic range. Rapidly set up runs and monitor amplification traces in real time on integrated LCD touch screen. Freshly designed automatic hot-lid without manual operation ensures constant pressure for various tube heights.

Technical Specification:

Product Type	ITR-6000
Temperature Range (°C)	4-100°C
Ramp Rate	≥ 6.5°C/s
Selectable Heated Lid Temperature	30 to 110°C
Sample Volume	5-100µl
Dynamic Range	100-1010
Sensitivity (detection threshold)	1 Copy
Temperature Uniformity	±0.1 °C
Additional Dyes	F1: FAM, SYBR, GREEN, F2: VIC, HEX, JOE, TET, YELLOW, F3: CY3, F4: ROX, F5: CY5, F6:, CY5.5, F7: Reserved , F8: Reserved
Software	Windows vista/7/8/10
Sample Capacity (0.2ml)	3×48×0.2 ml(5 to 100 µl):48, 96 and 144(optional)
Data Transfer	USB 2.0
Dimensions L x W x H (mm)	586×525×780 mm
Electrical Requirements	240V/60Hz
Catalogue No.	6207005-02

Technical Data:

Model	ITR-6000	
Capacity	3×48×0.2 ml(5 to 100 µl):48, 96 and 144(optional)	
Reaction Volume	5 to 100 µl	
Display	LED	
Temperature Range	4 to 100°C	
Uniformity	±0.1°C	
Temperature Control	±0.1°C	
Detector	Photoelectric sensor	
Sensitivity	1 copy	
Test Dynamic Range	100 to 1010	
Fluorescent Dye	F1: FAM, SYBR, GREEN, F2: VIC, HEX, JOE, TET, YELLOW, F3: CY3, F4: ROX, F5: CY5, F6:, CY5.5, F7: Reserved , F8: Reserved	
Channel	8	
Ramp up Rate	? 6.5°C/s	
Ramp down Rate	? 6.5°C/s	
Hot Lid	Automatic	
Hot Lid Temperature	30 to 110°C	
Sample Linearity	Linear regression coefficient r ² 0.999	
Fluorescent Intensity Detection	CV?0.5%	
Temperature Control Pattern	Semi-conductor TE module	
Operating System	Windows vista/7/8/10	
Connectivity	USB 2.0	
Overall Dimensions	586×525×780 mm	
Weight		
Electrical Requirements	100 to 240V, 50/60Hz, 500 to 1500 VA	
Catalogue No.	6207005-01	6207005-02



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