

Real-Time PCR System 4 Channel ITR-4000



ITR-4000 real time PCR is applicable to molecular biology, microbiology, medicine, molecular cloning in genetics, sequence analysis and various fields. It conducts the whole process of DNA amplification and PCR products analysis in an enclosed tube. Through PC control, it realizes real time as well as auto analysis.

Technical Specification:

Product Type	ITR-4000
Temperature Range (°C)	30 to 99.9 °C
Ramp Rate	≥ 6.5°C/s
Selectable Heated Lid Temperature	30-105°C
Fluorescence (Detection range)	F1: 520 to 540 nm & F2: 540 to 580 nm
Dynamic Range	10-1010
Sensitivity (detection threshold)	10 Copy
Temperature Uniformity	±0.3 °C@55 °C)
Temp Accuracy	±0.1 °C@55 °C)
Additional Dyes	F1:FAM, SYBR Green, F2:HEX, VIC, JOE
Software	Windows XP / Vista / 7
Sample Capacity (0.2ml)	48×0.2ml
Data Transfer	USB 2.0/RS-232
Dimensions L x W x H (mm)	457×420×335mm
Catalogue No.	6206005-00

Technical Data:

Model	ITR-4000
Sample Capacity	48×0.2ml
Test Dynamic Range	10-1010
Full plate fluorescence detection time	?3s
Applicable fluorophores	F1:FAM, SYBR Green F2:HEX, VIC, JOE
Temperature Range	30.0-99.9 °C
Temperature Uniformity	±0.3 °C@55 °C)
Temperature Accuracy	±0.1°C@55°C?
Heating Rate (MAX)	4°C/s
Cooling Rate (MAX)	4°C/s
Average Heating Rate	?1.8°C/s
Average Cooling Rate	?1.8°C/s
Hot-lid Temp. Range	30-105°C
Fluorescence Repeatability	CV?3%
Sample Detection Repeatability	CV?3%
Sample Linearity	r ?0.98
Fluorescence Linearity	r ?0.99
Communication Interface	USB 2.0/RS-232
Operation System	Windows XP / Vista / 7
Dimension (L×W×H)	457×420×335mm
Electrical Requirement	
Catalogue No.	6206005-00



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