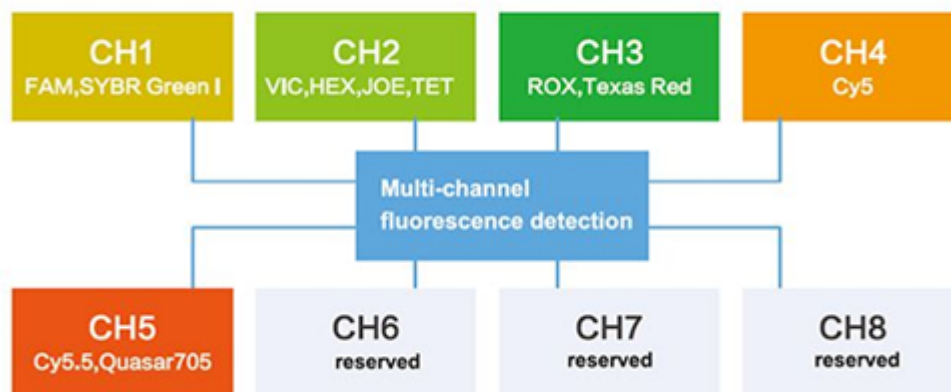


Real-Time PCR System 5 Channel ITR-5000

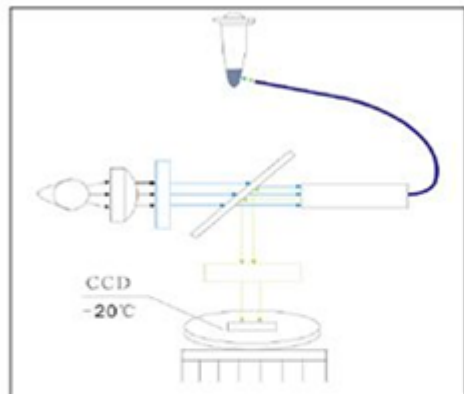


Real-Time PCR System 5 Channel ITR-5000 based on real-time fluorescence quantitative polymerase chain reaction (PCR) technology, ITR-5000 can be widely used in researches such as immunology, human genome engineering, forensic medicine, oncology, histology, population biology, palaeobiology, zoology and botany, as well as in clinical diagnosis of viruses, tumours and hereditary diseases, etc.

Highly Cost-effective Channel Combination, up to 5+3



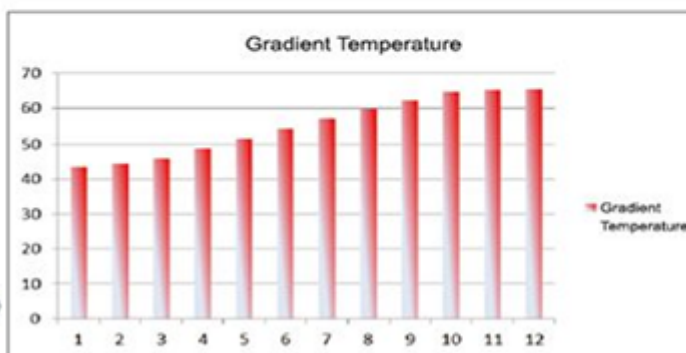
With specially designed optical structure, ITR-5000 can cover a variety of fluorochromes in market and adapt to new ones by replacement of software versions rather than changes of hardware. 5 channels of fluorescence detection for your free choice, such as FAM, SYBR Green I/VIC, HEX, JOE, TET/ROX, Texas Red/Cy5/Cy5.5, Quasar 705. What's more, there are another 3 channels reserved for your special customization.



1. High-performance low temperature CCD
2. Low-background optical fibre system
3. Rapid detection of multicolor fluorescence

6 independent temperature control modules and simultaneous tests under multi renaturation temperatures

Gradient temperature spans more than 20°C.



Technical Specification:

Product Type	ITR-5000
Temperature Range (°C)	4-100°C
Selectable Heated Lid Temperature	30-105°C
Sample Volume	5-100µl
Fluorescence (Detection range)	F1: 520 to 540 nm & F2: 540 to 580 nm
Dynamic Range	100-1010
Sensitivity (detection threshold)	1 Copy
Temperature Uniformity	±0.2°C
Temp Accuracy	±0.1 °C
Additional Dyes	F1: FAM SYBR F2: VIC HEX OE TET F3: ROX Texas Red F4: CY5 F5: CY5.5, Quasar705, F6-F8: Reserved
Sample Capacity (0.2ml)	96x0.2ml
Data Transfer	USB 2.0
Power (W)	100-240V, 50/60Hz, 1000VA
Dimensions L x W x H (mm)	500x350x300 mm
Catalogue No.	6206505-00

Technical Data:

Model	ITR-5000
Sample Capacity	96x0.2ml
Light Source	Halogen lamp
Detection System	CCD
Temperature Range	4-100°
Sensitivity	up to 1 copy
Test Dynamic Range	100-1010
Reaction Volume	5-100µl
Fluorophores Applicable	F1: FAM SYBR F2: VIC HEX OE TET F3: ROX Texas Red F4: CY5 F5: CY5.5, Quasar705 F6-F8: Reserved
Hot Lid	Electronic hot-lid
Temp. Control	Semiconductor TE
Uniformity	±0.2°
Accuracy	±0.1°
Heating Rate	~4.5°/s
Cooling Rate	~4.5°/s
Hot-lid Temp. Range	30-105°
Fluorescence Repeatability	CV ? 1%
Fluorescence Extraction Location	Tube Bottom
Communication Interface	USB 2.0
Operation System	Windows Vista/7/8/10
Input Power	100-240V, 50/60Hz, 1000VA
Dimension (L*W*H)	500x350x300mm
Electrical Requirement	
Catalogue No.	6206505-00



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