

16A

Rapid RT-PCR System

Good Compatibility

High Precision

User Friendly

Faster Detection



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16A RAPID RT-PCR SYSTEM

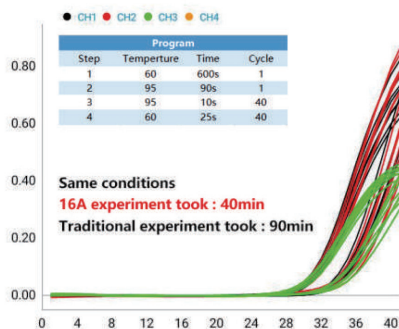
OPEN PLATFORM WITH GOOD COMPABILITY

- Compatible with 8-strip tube (0.2 mL) and single (0.2 mL) tube.
- The detection procedure can be adjusted according to different detection reagents.
- The design features four-color fluorescent channel, adaptable to various application scenarios.

Step	Target Temper...	Duration(S)	Skip to(Step)	Cycles	Detec.
1	95.0	5	Less than ID		
2	55.0	15	1	50	<input checked="" type="checkbox"/>

Sub Item	Name	Positive Contr.	Positive Contr.	Negative Contr.	Negative Contr.
<input checked="" type="checkbox"/> FAM	ORF	0.0	0.0	0.0	0.0
<input type="checkbox"/> VIC/HEX		0.0	0.0	0.0	0.0
<input checked="" type="checkbox"/> ROX/Texas red	N	0.0	0.0	0.0	0.0
<input type="checkbox"/> Cys		0.0	0.0	0.0	0.0

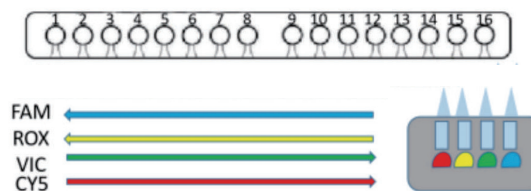
HIGH PRECISION, REAL-TIME TEMPERATURE CONTROL



- Peltier temperature control technology
 - Independent temperature control in different zones
 - Fast control algorithm
- Maximum Heating-up Rate: $\geq 7.5^{\circ}\text{C/s}$
Maximum Cooling Rate: $\geq 6^{\circ}\text{C/s}$
Experiment time can be reduced by 60%

OUTSTANDING OPTICS

- Separately-mounted 4 LED ultra-bright sources have long service life for stable and maintenance-free operation. No fluorescent edge effect.
- Based on the unique scanning mode and time-resolved signal separation technology, the optical signal collection efficiency of non-target samples is effectively reduced, and the optical path cross interference is greatly reduced.
- Test tube lateral linear scanning is rapid, stable and reliable.



APPLICATION FIELDS

Clinical disease diagnosis

Fundamental scientific research

Pathogen detection

Food hygiene detection

Customs inspection

Public health safety

Genetic screening

Animal diseases

Environmental detection