

# MINI-PCR



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Mini-PCR works interchangeably with standard PCR assays, reagents, and consumables. It is portable, user friendly, small in size and easy to program with an intuitive user interface. It is benefit for students to understand with the animation presentation capabilities of the PC operating software.

Used in Incubation, Research, Development, Food Science, Pharmaceutical, Life Science, Animal Diagnostics, Analytical Laboratories, Molecular biology, Gene amplification, Gene Expression. Also known as Laboratory Mini PCR, Mini PCR Machine, Laboratory Mini PCR Machine.

## PM11 SERIES MINI-PCR



PM111



PM112



PM113

### FEATURES

	PM111	PM112	PM113
It is small-sized and easy to program with an intuitive user interface	•		
The lid adopts the high temperature resistant material and applicable to various types of test tube	•		
Memory function in case of power-down	•		
Two control mode: PCR control through the PC operating software	•		
It is benefit for students to understand with the animation presentation capabilities of the PC operating software	•		
Achieve circulation nesting	•		
No Waiting Time, finishes setting in 30s		•	
Can be used in Clean Bench		•	
It saves space as its thickness is only 4cm		•	
Energy efficient and portable		•	•
Program: Long-PCR, RT-PCR, Incubation programs		•	
User friendly and has simple interface			•
High sensitivity as low as one copy			•
It has 2 channels SYBR / FAM, ROX / Texas Red			•
It is compatible with most commercial reagents			•

## SPECIFICATIONS

Model	PM111	PM112	PM113
Name	Mini-PCR		Real-Time Mini Thermal Cycler
Temperature Range	0°C~99.9°C	8-99°C	4~100°C
Max.Heating Ramp Rate	2.0°C	-	-
Max.Cooling Ramp Rate	2.0°C	-	-
Block Formats	30x0.2 ml (A) / 9x0.5 ml (B) / 16x0.2+9x0.5 ml (C)	-	8 Wells
Display Interface	12864 LCD	Touchscreen, Turning Knob	-
Uniformity	$\leq \pm 0.3^{\circ}\text{C}$ (20~75°C)	$\pm 0.2^{\circ}\text{C}$	-
Accuracy	$\leq \pm 0.2^{\circ}\text{C}$	-	-
Max.No.of Cycle	99	1-99	-
Communication	Serial port	-	-
Temp Control Mode	Block	-	-
Memory Capacity	3	-	-
Dimension (W×D×H)	160x140x120 mm	200x200x40 mm	190x205x98 mm
Weight	2.2 kg	2.4 kg	2.1 kg
Sample Capacity	-	0.2 mlx16	-
Temperature Precision	-	$\pm 0.2^{\circ}\text{C}$	-
Ambient Temperature	-	Operation Temp:8-30°C	Operation Temp: 15-30°C; Storage Temp: 10-60°C
Max. ramp rate	-	3°C / s	
Display Precision	-	0.1°C	-
Hot Lid Temperature	-	105°C	-
Program Storage	-	15	-
Timer Range	-	1 s~60 min	-
Power Supply	-	12 V, 10 A	12 V DC
Ambient Humidity	-	-	Operation Humidity: 15-90% Relative Humidity; Storage Humidity: 5-95% Relative Humidity
Reaction volume	-	-	10-150 µL
Block Material	-	-	Peltier
High Resolution Melt	-	-	Supported Resolution to 0.5°C
Multiplexing	-	-	Detect up to 2 dyes simultaneously, 470 / 520 nm(SYBR / FAM) and 565 / 625 nm(ROX / Texas Red)
Thermal Uniformity	-	-	$\pm 0.2^{\circ}\text{C}$
Thermal Accuracy	-	-	$\pm 0.2^{\circ}\text{C}$
Sensitivity	-	-	1 Copy

Light Source	-	-	High power LED
Detector	-	-	Photodiode
PC Operation system	-	-	WIN2000; XP; WIN7; WIN8

## ACCESSORIES

Accessory Code	Name	Capacity	For Models
PX1005	Block A	30×0.2 ml	PM111

## OPTIONAL ACCESSORIES

Accessory Code	Name	Capacity	For Models
PX1006	Block B	9×0.5 ml	PM111
PX1007	Block C	16×0.2 ml+9×0.5 ml	PM111

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