
Rem Time : 01:31:35
Volume : 25 uL
00:15
95.0
00:15
55.0
00:30
72.0
07:00
72.0
∞
04.0
02 (*35)
03 (*35)
02~ 04 (*35)
05
06
Step : 01
Time : 02:00
Run
Pause
Skip
Stop
DLAB
TC1000-G

PCR Thermal Cycler

Thermal cycler is essential laboratory instrument in the field of molecular, research such as gene chip, gene detection, gene cloning, gene expression, and applied market like drug discovery, agriculture, food industry, etc.



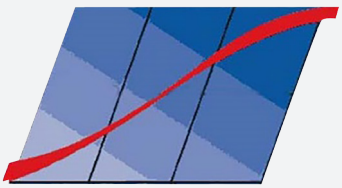
Make better instruments. Provide better service. We are always on the way!

1 **User friendly interface on 7 inch color touch screen enable you edit the program very simple. All parameters is very visible for choice.The PCR touch screen pen improves the operation experience and reduces the cross contamination risk.**





2 **High performance long life Peltier and independent control circuits for different heating segments implement accurate temperature control;**

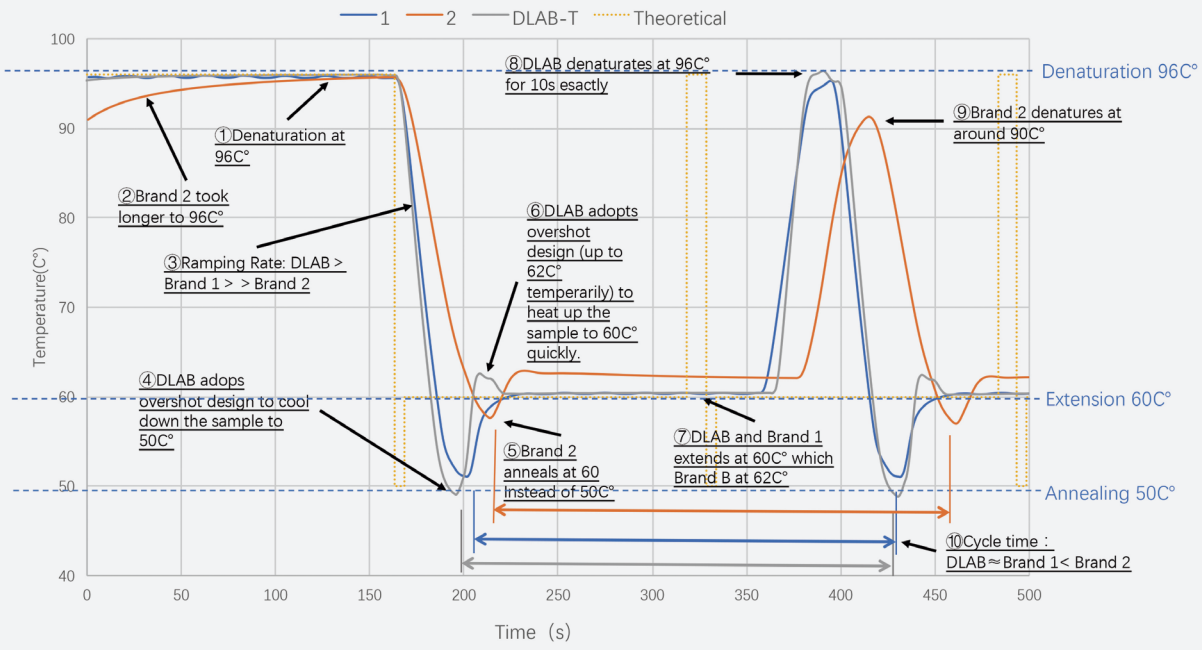


General Peltier — 70-80K Cycles

Long life Peltier — 200K Cycels

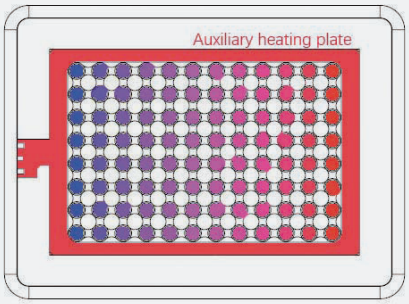
Heating Temperature Range：4-105°C
Temperature Display Accuracy：±0.1°C
Max. Heating/Cooling Rate：5°C/s

Measured PCR temperature curves of different brands



3 Auxiliary heating mechanism diminishes the "edge effect" and enhance the temperature uniformity

Temperature uniformity＜0.3°C



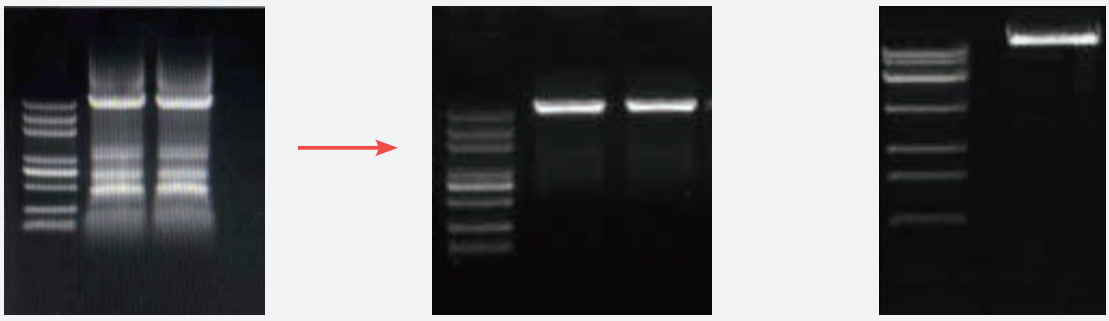
A 800bp target gene in human genome was amplified. The result shows that the brightness of the strips in the middle of the adapter bolck is uniform with the edge and four corners.



Intermediate hole position

Four corners and edge holes

4 Wide touchdown PCR temperature range (-9.9°C~+9.9°C) and Long PCR time range (-9min59s~+9min59s)



Regular PCR amplification of 6kb fragment with high GC content

Touchdown PCR amplification of 6kb fragment with high GC content

Long PCR amplification of 20kb fragment

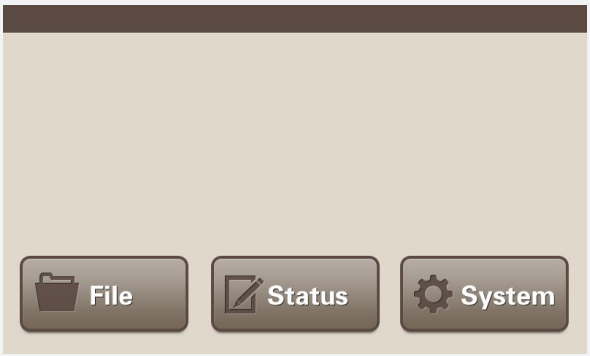


5 Gradient temperature setting supported, saving time and high efficiency.

Gradient temperature setting range 30~99°C, gradient range 1~42°C

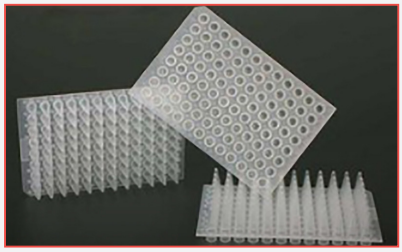
6 Running process can be controlled at will

View the saved program in the operation, click the "Status" button to enter the running interface.



7 It can be adapted to multi-brand common PCR tubes, 8-well PCR strips and 96-well PCR plates.







8 More features

File customization, multi-file storage,
Power-off protection function, automatic program recovery,
Hot lid auto-off function: If the module temperature is lower than 30°C, the hot lid function will automatically turn off.

Specifications	TC1000-G	TC1000-S
Sample Capacity	96X0.2mL PCR tube, 8X12 PCR plate or 96 well plate	96X0.2mL PCR tube, 8X12 PCR plate or 96 well plate
Heating Temperature Range /°C	4~105	4~105
Lid Temperature Range /°C	30~110	30~110
Temperature Display Accuracy /°C	±0.1	±0.1
Temperature Display Accuracy@55°C	±0.3	±0.3
Temperature uniformity@55°C	<0.3	<0.3
Max. Heating/Cooling Rate	5°C/Sec	5°C/Sec
Gradient Temperature Setting Range /°C	30~99°C	-
Gradient Range /°C	1~42°C	-
Adapter block material	Aluminum	Aluminum
Display	7" LCD 800x480	7" LCD 800x480
Input	Touch panel	Touch panel
User defined file system	Max. 30 segments 99 cycles max. 16 folder and 16 files each folder	Max. 30 segments 99 cycle max.16 folder and 16 files each folder
Power off protection	Yes	Yes
Power Supply	100~120V/200~240V,50/60Hz	100~120V/200~240V,50/60Hz
Dimension[WxDxH]	280x370x250 mm	280x370x250 mm
Weight	11kg	11kg

Order Info.

Thermal Cycler Gradient

Cat. No.	P/N	Descriptions
THCY-1KG-001	TC1000-G	100~120V/200~240V,50/60Hz

Thermal Cycler Standard

Cat. No.	P/N	Descriptions
THCY-1KS-001	TC1000-S	100~120V/200~240V,50/60Hz




/STAND/STAND
Hot Lid : 105.0
02:00
95.0
00:15
95.0
00:15
55.0
01
02
Sample : 93.4
Step :
Back
Run