

TC1000-G

Thermal Cycler Gradient

TC1000-S

Thermal Cycler Standard

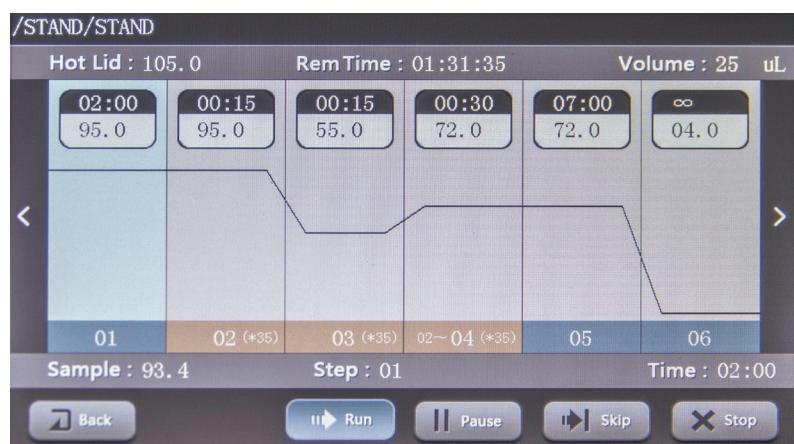
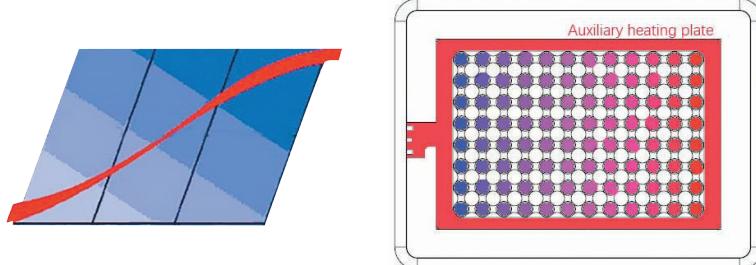
Thermal cycler is essential laboratory instrument in the field of molecular biology research such as sequencing, gene cloning, gene expression, mutagensis applications and applied market like drug discovery, agriculture, food industry, etc.



Excellent temperature uniformity



Gradient function



Features

- High performance long life Peltier and independent control circuits for different heating segments implement accurate temperature control
- Auxiliary heating mechanism diminishes the "edge effect" and enhance the temperature uniformity
- Wide touchdown PCR temperature range (-9.9°C~+9.9°C) and Long PCR time range (-9min59s~+9min59s)
- Gradient temperature setting supported, optimizing temperature easily in the single run
- User friendly interface on 7 inch color touch screen enable you edit the program very simple
- The PCR touch screen pen improves the operation experience and reduces the cross contamination risk

More features

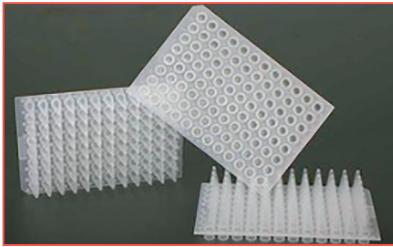
- Wide options of consumables common PCR tubes, 8-well PCR strips and 96-well PCR plates can be used
- File customization, multi-file storage
- Power-off protection function, automatic program recovery
- Hot lid auto-off function: If the module temperature is lower than 30°C, the hot lid function will automatically turn off



LCD touch panel



Excellent temperature accuracy



Specifications

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

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Lid Temperature Range /°C	30~110	4~105
Temperature Display Accuracy /°C	±0.1	30~110
Temperature Display Accuracy@55°C	±0.3	±0.1
Temperature uniformity@55°C	<0.3	±0.3
Max. Heating/Cooling Rate	5°C/Sec	<0.3
Gradient Temperature Setting Range /°C	30~99°C	5°C/Sec
Gradient Range /°C	1~42°C	-
Adapter block material	Aluminum	-
Display	7" LCD 800x480	Aluminum
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