TC1000-G
Thermal Cycler Gradient

TC1000-S
Thermal Cycler Standard

Elegant design, excellent precision and accurate, reproducible results and precise PCR optimization

High performance with advanced thermal gradient technology, state-of-the-art electronics, precision peltier device and flexible user interface.
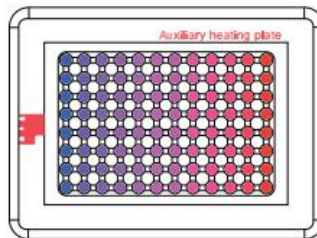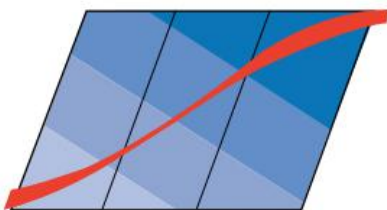
The TC1000G/S is an essential laboratory instrument for Molecular Biology with applications such as sequencing, gene cloning, gene expression, mutagensis, and it is also used in areas such as drug discovery, agriculture, food industry, etc.

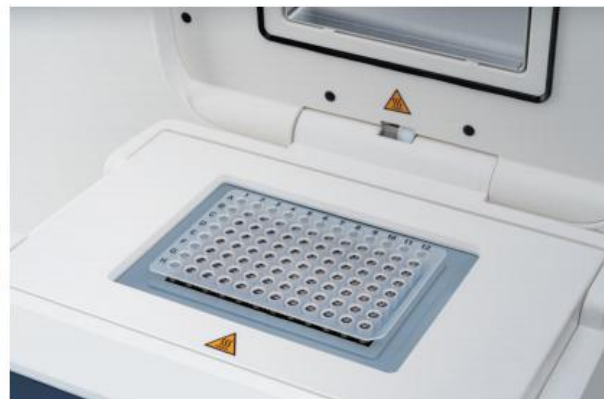Excellent temperature uniformity

Temperature gradient

Features

- High performance Peltier and independent heating segments improving 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 (−9min 59s~+9min 59s)

- Gradient temperature setting optimizes temperature easily in the single run

- Color touch screen with user friendly interface helps to edit programs easily

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 module temperature is lower than 30 °C, the hot lid function will automatically turn off

LCD touch panel

Excellent temperature accuracy

Technical Parameters	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 /℃	4~105	4~105
Lid Temperature Range /℃	30~110	30~110
Temperature Display Accuracy /℃	±0.1	±0.1
Temperature Display Accuracy@55	±0.3	±0.3
Temperature uniformity@55℃	<0.3	<0.3
Max. Heating/Cooling Rate	5℃/Sec	5℃/Sec
Gradient Temperature Setting Range /℃	30~99℃	-
Gradient Range /℃	1~42℃	-
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 and16 files each folder	Max. 30 segments 99 cycles max.16 folder and16 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