

TC1000-G

Thermo Cycler Gradient

TC1000-S

Thermo Cycler Standard

Thermal cyclers are the instruments used to amplify DNA segments and perform temperature sensitive reactions. These thermal cyclers consist of a block designed to accommodate micro centrifuge tubes or 96-well plates for precise temperature control and uniform operation. These are useful in molecular genetics research areas like genetic finger printing, DNA cloning, DNA sequencing, genetic testing, prenatal testing, tissue typing, preimplantation of genetic diagnosis, quantitative determination of gene expression levels etc.



Features

- High precision temperature control with accurate heating/cooling rates.
- Large LCD digital touch panel screen for easy programming with clear display and user friendly software.
- Heating lid is movable and adjustable to ensure minimum loss of reaction by evaporation.
- Heating lid is also useful for the maintenance of homogenous temperature in the PCR tubes.
- Aluminum made adapter block for efficient heat transfer.
- User defined large program storage system with max. of 16 folders and 16 files in each folder.

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	4-105°C	4-105°C
Lid Temperature Range	30-110°C	30-110°C
Temperature Display Accuracy	±0.1°C	±0.1°C
Temperature Control Accuracy [at 55°C]	±0.3°C	±0.3°C
Temperature uniformity[at 55°C]	<0.3°C	<0.3°C
Max. Heating/Cooling Rate	3°C/Sec	3°C/Sec
Gradient Temperature Setting Range	30-99°C	-
Gradient Range	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

