

Thermal cycler Wi-TC1000-G/-S, heating range 4°C - 105°C, standard or gradient

Ideal for:

- ▶ molecular biology with applications such as sequencing, gene cloning, gene expression, mutagenesis
- ▶ also in areas such as drug discovery, agriculture, food industry, etc.

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 to +9.9°C) and long PCR time range (-9min 59s to +9min 59s)
- ▶ gradient temperature setting optimizes temperature easily in the single run (*Wi-TC1000-G only*)
- ▶ 7" LCD-colortouch, 800 x 480, screen with user friendly interface helps to edit programs easliy
- ▶ wide options of consumables: common PCR tubes, 8-well PCR strips and 96-well PCR plates can be used
- ▶ user defined file system: max. 30 segments with 99 cycles, max. 16 folder and 16 files each folder

Safety mechanism:

- ▶ with power off protection, automatic program recovery
- ▶ hot lid auto-off function at 30°C - 110°C: If module temperature is lower than 30°C, the hot lid function will automatically tum off

Features

Essential laboratory instrument: The Wi-TC1000-G/-S is an essential laboratory instrument for Molecular Biology with applications such as sequencing, gene cloning, gene expression, mutagenesis, and it is also used in areas such as drug discovery, agriculture, food industry, etc.

High precision and accuracy: Elegant design, excellent precision and accuracy, reproducible results and precise PCR optimization.

State-of-the-art device: High performance with advanced thermal gradient technology, state-of-the-art electronics, precision peltier device and flexible user Interface.



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Width (Outer)

280 mm

Length (outer)

370 mm

Height (outer)

250 mm

Material

Adapter block material: aluminum

Power supply

100V - 120V/200V - 240V, 50/60Hz

Cooling time

5°C/sec

Heating time

5°C/sec

Capacity

96 x 0.2 ml PCR tubes, 8 x 12 PCR plate or 96 well plate

Temperature variation

at 55°C <0.3°C

Temperature range

4°C - 105°C

Temperature accuracy