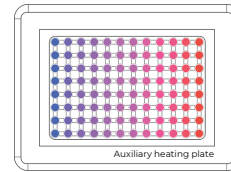


E-TC510G-TS

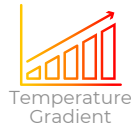
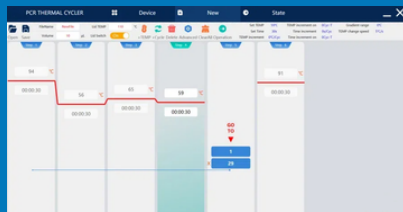
Gradient Thermal Cycler



Gradient Thermal Heating and Auxiliary Heating Plate

The Eins-Sci E-TC510G-TS is a highly advanced laboratory instrument for various applications in molecular biology, including sequencing, gene cloning, gene expression, and mutagenesis. Moreover, it finds applications in diverse fields such as drug discovery, agriculture and the food industry. It features an elegant design, excellent precision with accurate and reproducible results. Its precise PCR optimization ensures optimal performance.

- Wi-Fi communication interface to simultaneously control one or more PCR Thermal Cyclers (E-TC510G-TS) via the included computer software.
- USB data interface for saving/retrieving PCR programs on a U disk, support for updating software and multi-file storage.



Features

- Real-time display of the cycle progress and time remaining
- Set up user security accounts and passwords
- Gradient temperature setting optimizes temperature easily in a single test
- High performance Peltier module and independent heating segments improves temperature control
- Hot lid temperature and operating mode can be set for different applications
- Hot lid auto-off: If the module temperature is lower than 30°C, the hot lid will automatically turn off
- Color touch screen with user friendly interface helps to edit programs efficiently
- Auxiliary heating plate diminishes the "edge effect" and enhances the temperature uniformity
- One-click fast incubation function for denaturation, enzyme digestion/enzyme linkage, required for ELISA etc.
- Wide touchdown PCR temperature range (-9.9°C~+9.9°C) and Long PCR time range (-9min 59s~+9min 59s)
- File customization, multi-file storage
- Power failure protection function, automatic program recovery
- Fits a wide range of consumables including common PCR tubes, 0.2ml PCR-8 strips and 96-well PCR plates

Specifications	E-TC510G-TS
Sample capacity	96 x 0.2mL PCR tube 12 x 0.2mL PCR-8 strips 0.2mL 96 PCR Microplate
Heating temperature range	0~105°C
Lid temperature range	30~115°C
Temperature display accuracy	0.1°C
Temperature control accuracy	±0.1°C
Temperature uniformity @ 35-72°C	±0.2°C
Max. Heating / Cooling rate	5°C/Sec
Temperature control method	Block/Tube
Gradient temperature setting range	30~105°C
Gradient range	1~42°C, Turn off gradient with 0 input
Adapter block material	Aluminum
Display	7" Colour LCD (1024x600px) Touch Screen
Number of program storage	20000+ (USB Flash)
User defined file system	Max. 30 steps in a program, 99 cycles
Program suspension function	Yes
Power failure protection	Yes
Data interface	USB2.0: Flash Drive Program Storage
Communication interface	Wi-Fi: PC Software Control
4°C control	Unlimited time
Voltage, Frequency	100~120V/200~240V, 50/60Hz, 600W
Dimension (WxDxH)	280 x 370 x 250mm
Weight	9.5kg
Permissible ambient conditions	5-40°C, 80%RH