

MQ 1X Thermal Cycler

Cat No: MQ-96G-1X-001

MOLEQULE-ON[®]



Description

The MQ 1X Thermal Cycler by MOLEQULE-ON uses 8 custom-made Marlow (USA) peltier, offer long service life Peltier heating units. It has stepless adjustable hot lid with pressure-protection, fit tubes of different heights to avoid tube melt and evaporation. Hot lid temperature and hot lid work mode can be set to meet different experiment's need. The maximum ramping rate 5°C/s can save precious time of researchers. Automatically restart after power failure. Compatible with devices such as Mouse and Keyboard and also capable to transfer data and perform software updates via USB Drive. Support USB and LAN to update software.

Features

- Save precious time as ramping rate is 5°C/ sec.
- Auto resume after power failure.
- Windows interface, 8 inches TFT color touch-screen with graphical display provides user friendly programming and monitoring.
- Built-in 11 standard program file template, can quickly edit the required files.
- The running program and left time can be displayed in real time, allow to edit file when program is running.
- One-click quick incubation function can meet experiment's needs such as denaturation, enzyme cutting/enzyme-link and ELISA.
- Replaceable module, choice from 96x0.2ml, 60x0.5ml, double 48x0.2ml, 48x0.2ml + 30x0.5ml or 384 well.

Specifications

Model	MQ 96G-1X-001
Block	96 x 0.2 ml
Optional Block Module	96x0.2ml, 60x0.5ml, double 48x0.2ml, 48x0.2ml + 30x0.5ml or 384 well
Temperature Range	0 ~ 100°C
Heating Rate	5°C /s
Cooling Rate	4°C /s
Uniformity	≤±0.2°C
Accuracy	≤±0.1°C
Display Resolution	0.1°C
Temperature Control	Block\Tube
Ramping Rate Adjustable	0.1 ~ 5°C
Gradient Mode	12 rows gradient
Gradient Temp. Range	30 ~ 100°C
Hot Lid Temperature	30 ~ 110°C
Hot Lid Height Adjustable	Stepless Adjustable
Number of Programs	10,000 +(USB FLASH)
Max. No. of Step	30
Max. No. of Cycle	99
Time Increment/Decrement	1 Sec ~ 9 Min 59 Sec
Temp. Increment/Decrement	0.1 ~ 9.9°C
Pause Function	Yes
Auto Data Protection	Yes
Hold at 4°C	Forever
Language	English
Print	Yes
LAN to computer	Yes
LCD	8 inch, 800×600 pixels, TFT
Communication	USB 2.0, LAN
Dimensions	380mm×240mm×260mm (L×W×H)
Weight	8.5kg