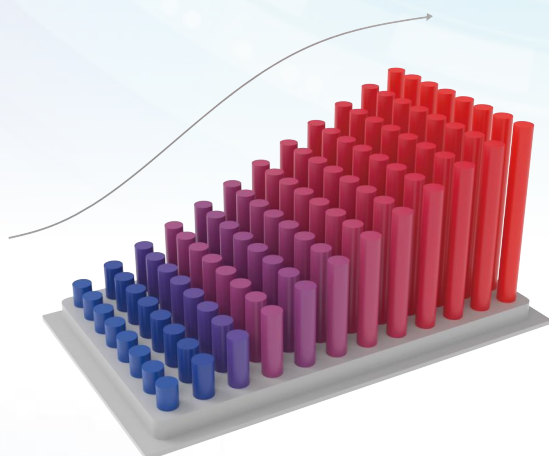


RePure-E

REPURE SERIES THERMAL CYCLER



Gradient Schematic

- **Intelligent Economy**
- **Easy and Fast**
- **Functionality**

Description

RePure series thermal cycler has Android operation system and 10.1 inch capacitive touch screen. Operation is very smooth and simple. Air channel is in front and back and it allows machine placed side by side. Self-adapting pressure hot lid makes closing lid and tightening lid in one step. It has long service life peltier heating units and max. ramping rate is 6°C/S and cycle times is more than 1000,000. Wifi unit is built in and user can control many units of PCR through mobile App.

Feature

- **High heating and cooling rate, max. Ramping rate 6 °C/s**
- **Automatic restart after power failure. When power is restored it can continue to run unfinished program.**
- **One-click quick incubation function can meet experiment's needs such as denaturation, enzyme cutting/enzyme-link and ELISA.**
- **Hot lid temperature and hot lid work mode can be set to meet different experiment's need**

Parameters

Model/Specification	
Model No.	RePure-E
Capacity	96×0.2ml
Formats	0.2ml tube, 8 strips, 12 strips, Half skirt 96 wells plate, No skirt 96 wells plate
Reaction Volume	5-100ul
Temperature Performance	
Temperature Range	0-105℃
MAX.Ramp Rate	6℃/s
Uniformity	≤±0.2℃
Accuracy	≤±0.1℃
Display Resolution	0.1℃
Temperature Control	Block/Tube
Ramping Rate Adjustable	0.01-6℃/s
Hold at 4℃	Forever
Gradient Performance	
Gradient Temp. Range	30-105℃
Gradient Type	Normal/Linear
Gradient Spread	0.1-42℃
Hot Lid Function	
Hot Lid Temperature	30-115℃
Software Function	
Number of Programs	200,000+(USB FLASH)
Max. No. of Step	30(Multiple nested PCR experiments)
Max. No. of Cycle	200(Up to 100,000 in nested cycles)
Time Increment/Decrement	1s-600s, Long PCR is available
Temp. Increment/Decrement	0.1-10.0℃, Touchdown PCR is available
Pause Function	Yes
Auto Data Protection	Yes
Temperature Curve	Record hot lid and module temperatures in real time, with a 60-minute recording time on a single page and a sliding view
GLP Report	Record the running information of each step of the program, and can export CSV, PDF format report
File Encryption Function	Individual program files can be encrypted
User Management Privilege	Three levels of access (administrator, user, guest)
Email Notification	Email notification after experiment is over
Lock Screen Function	Prevents accidental termination of the program being experimented on
PC-LINK Function	Simultaneous on-line monitoring of more than 250 instruments
Mobile Phone APP	Simultaneous on-line monitoring of more than 250 instruments
Other Performance	
Communication	USB 2.0, WIFI
Dimensions	385mm×270mm×255mm(L×W×H)
Weight	10kg
Power Supply	100-240VAC, 50/60Hz, 600W

