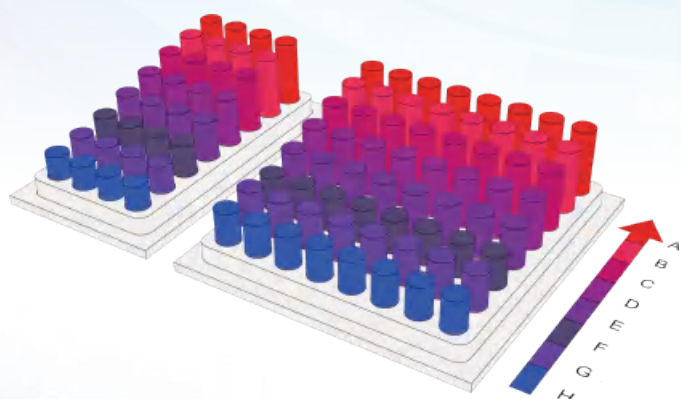


RePure-D

Series Thermal Cycler



Dual block gradient pic

- **Innovative research and development**
- **Dual block PCR**
- **Multiple gradient exploration function**

Description

RePure-D/D+ series thermal cycler has Android operation system and 10.1 inch capacitive touch screen. Independent operation of double blocks. 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 9.5°C/s. Wifi unit is built in and user can control many units of PCR through mobile App.

Feature

- **Double blocks design, a variety of combinations, one machine can be used for two different programs**
- **High heating and cooling rate, max. Ramping rate 9.5 °C/s, can save your precious time.**
- **Self-adapting pressure hot lid makes closing lid and tightening lid in one step**
- **Air channel is in front and back and it allows machine placed side by side**

Parameters

Model/Specification								
Model No.	RePure-D(B)		RePure-D		RePure-D (F)		RePure-D (P)	
Capacity	64×0.2ml (A Block) + 32×0.2ml (B Block)							
Formats	0.2ml tube, 0.2ml 8 strips							
Reaction Volume	5-120ul							
Temperature Performance								
Temperature Range	0-105℃							
MAX.Ramp Rate	6℃/s				9.5℃/s			
Uniformity	≤±0.2℃							
Accuracy	≤±0.1℃							
Display Resolution	0.1℃							
Temperature Control	Block/Tube							
Ramping Rate Adjustable	0.01-6℃/s				0.01-9.5℃/s			
Hold at 4 ℃	Forever							
Gradient Performance								
Gradient Temp. Range	30-105℃							
Gradient Type	Normal/Linear (A Block)	Normal/Linear (B Block)	Normal/Linear/2D (A Block)	Normal/Linear (B Block)	Normal/Linear (A Block)	Normal/Linear (B Block)	Normal/Linear/2D (A Block)	Normal/Linear (B Block)
Gradient Spread	0.1-30℃	0.1-30℃	Horizontal: 0.1-30℃ Vertical: 0.1-30℃	0.1-30℃	0.1-30℃	0.1-30℃	Horizontal: 0.1-30℃ Vertical: 0.1-30℃	0.1-30℃
Hot Lid Function								
Hot Lid Temperature	30-115℃							
Software Function								
Number of Programs	200,000+(USB FLASH)							
Max. No. of Step	40(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	11kg						18kg	
Power Supply	100-240VAC,50/60Hz,600W				100-240VAC,50/60Hz,1200W			