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96 well Gradient thermal cycler

Product Number: PC96G

96 well Gradient thermal cycler（Ordinary）

Features

The 96 well Gradient thermal cycler（Ordinary） adopts advanced cooling and heating technology, which has the advantages of high temperature control accuracy, fast temperature rise and fall, uniform module temperature, small external volume, and low operating noise.

1. Convenient and flexible module replacement device, easy to replace the required modules.
2. High definition and large LCD display screen.
3. Intuitive and user-friendly interface, simple and fast programming.
4. Equipped with power-off memory function.
5. Low noise, low energy consumption, long lifespan.

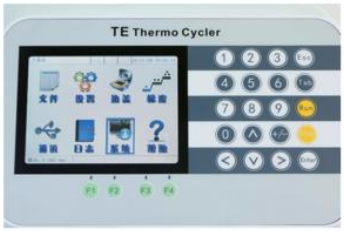
Technical performance

Project	Parameter
Sample stage	Standard module: 96x0.2mL+77x0.5mL hybrid module
	Multiple modules such as 384well module and in-situ board module can be selected for replacement and use; Module replacement is convenient and fast
Heated lid	Adjustable thermal cover is suitable for all modules, making module replacement and upgrade more convenient and efficient
Temperature range	0°C-100°C
Maximum rate	3.0°C/s
Maximum cooling rate	3.0°C/s
Temperature uniformity	Within the range of 4-100°C, the error value is ± 1°C
Temperature accuracy	Within the range of 4-32°C, the error value is ± 3°C; The error value is ± 1°C within the range of 33-100°C
Hot cover temperature	20-110°C, adjustable pressure with pressure warning
Program storage capacity	>200, expandable program storage capacity
Maximum number of cycles	99
Graphical interface	5.7-inch large screen Chinese LCD displays amplification process related parameters and charts, with Chinese navigation display throughout the process, easy to operate, and optional English interface

Simple and reliable opening method

Rotating gear hot cover

Simple and clear operation diagram



A hinge edge joint that can hold itself at any angle

Replaceable module components

For Research Use Only

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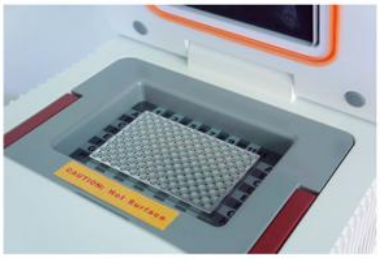

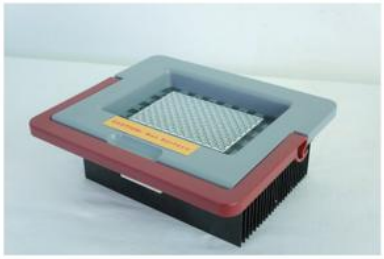

96 well Gradient thermal cycler（Gradient）

Description

In addition to the standard PCR instrument functions, the gradient module of the gradient PCR instrument can also perform PCR reactions at multiple different annealing temperatures simultaneously. On the gradient module, parameters such as gradient temperature and gradient width can be adjusted, and the temperature can be freely programmed to achieve different annealing temperatures for different samples and perform thermal cycling simultaneously. Only one experiment can determine the optimal annealing temperature for a specific system. Thus, PCR experiments can be optimized in a short period of time, greatly improving the efficiency of PCR research.

Technical performance

Project	Parameter
Sample stage	Standard module: 96x0.2mL+77x0.5mL hybrid module
	Multiple modules such as 384well module and in-situ board module can be selected for replacement and use; Module replacement is convenient and fast
Heated lid	Adjustable thermal cover is suitable for all modules, making module replacement and upgrade more convenient and efficient
Temperature range	0°C-100°C
Maximum rate	3.0°C/s
Maximum cooling rate	3.0°C/s
Temperature uniformity	Within the range of 4-100°C, the error value is ± 1°C
Temperature accuracy	Within the range of 4-32°C, the error value is ± 3°C; The error value is ± 1°C within the range of 33-100°C
Gradient temperature range	30-100°C
Gradient temperature width	1-30°C
Hot cover temperature	20-110 °C, adjustable pressure with pressure prompt
Program storage capacity	>200, expandable program storage capacity
Maximum number of cycles	99
Graphical interface	5.7-inch large screen Chinese LCD displays amplification process related parameters and charts, with Chinese navigation display throughout the process, easy to operate, and optional English interface
Other (can meet special experimental requirements)	0-9min-59s time increment/decrement, suitable for Long PCR experiments
	0-9.9°C temperature increase/decrease, can be used for Touch down experiment

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