

P-32+ Mini Gradient Thermal Cycler



BIOSALAB
MOLECULAR BIOLOGY SOLUTIONS

Thermal Cycler

Introduction

Mini Gradient PCR is an ultra-light and ultra-thin thermal cycle gene amplification instrument. Widely used in molecular biology, criminal investigation, disease research and other fields.

Features

1. New and unique appearance, the interface operation is simple and convenient, ultra-light ultra-thin.
2. The latest generation of semiconductor technology, excellent augmentation performance, effectively eliminate the edge effect of module heat conduction, the module temperature uniformity is excellent. Built-in multiple refrigeration film, multiple sensors are evenly distributed, the program temperature control is more precise.
3. The bottom case is made of one-piece aluminum, which is not only beautiful and sturdy, but also has a higher heat dissipation performance.
4. 5-inch TFT high-definition full-touch color screen, can quickly edit the required files, visual display of temperature curve, convenient and fast setting, accurate display of temperature curve and instrument running process status in real time.
5. The system has a built-in gradient calculator, which can easily obtain accurate annealing temperature for different experimental samples to optimize PCR reaction conditions.
6. User login, rights management, password protection, data security, administrators can clear users, large data storage, the maximum number of files that can be stored in the machine is greater than 100.
7. The ingenious elastic hot-cover structure design adapts the test tubes of different heights to ensure the best conditions for the experiment.
8. Real-time displaying gradient distribution, real-time temperature display, more conducive to control the sample temperature.
9. The hot lid temperature and working mode can be set, hot lid can be switched on and off, and test tube temperature control mode and module temperature control mode can be chosen to meet more different experimental requirements.



Parameters

Model	MP-32+	Hot cover temp. range	30~105°C
Single step time range	1~59m59s(0 is forever)	Max. steps of the program	30
Temp. range	4~99.9°C	Program max. cycle number	99
Sample capacity	32×0.2ml	Time increment/decrement	-599~+599s
Max. heating rate	6°C/s	Temp. increase/decrease	-9.9~+9.9°C
Max. cooling rate	5°C/s	Program pause function	Yes
Temp. uniformity	±0.25°C	16°C Insulation	Forever
Temp. accuracy	±0.20°C	LCD	5 inch, 800×480 Pixel
Temp. display resolution	0.1°C	Program storage quantity	> 100
Temp. control method	Block/Tube	Communication Interface	USB 2.0
Gradient temp. uniformity	±0.3°C	Input power	24V, 8A
Gradient temp. accuracy	±0.3°C	Dimensions	W.200×D.230×H.85mm
Gradient temp. range	30~99.9°C	Net weight	3.2kgs
Gradient temp. difference range	0.1~30°C		