



IGENE LABSERVE

Innovative • Interactive • Intuitive

GRADIENT THERMAL CYCER 96 WELL



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Features



5-inch TFT Display



Hot cover is adjustable



Excellent module temperature uniformity

- ❖ New and unique appearance, the interface operation is simple and convenient, compact size.
- ❖ The latest generation of semiconductor technology with excellent temperature uniformity.
- ❖ Excellent temperature rising and cooling rate up to 4°C / s.
- ❖ Single mould aluminium case provides higher heat dissipation performance.
- ❖ 5-inch TFT high-definition full-touch colour 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.
- ❖ The system has a built-in gradient calculator, which can easily obtain accurate annealing temperature for different experimental samples to optimize PCR reaction conditions.
- ❖ 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.
- ❖ Unique heating lid design for adjustable height of tubes
- ❖ Real-time display of gradient temperature distribution, real-time temperature display, more conducive to controlling the sample temperature.
- ❖ The hot lid temperature and working mode can be set, hot lid can be switched on and off and tube temperature control mode and module temperature control mode can be chosen to meet more different experimental requirements.



Technical Parameters

Specifications	Parameters	
	IG-96EP	IG-96GEP
Temp. range	4~99.9°C	
Sample capacity	96X0.2ml	96x0.2ml
Max. heating rate	4°C/s	
Maxi. cooling rate	3°C/s	
Temp. uniformity	±0.20°C	
Temp. accuracy	±0.10°C	
Temp. display resolution	0.1°C	
Temp. control method	Block/Tube	Block/Tube
Gradient temp. uniformity		±0.2°C
Gradient temp. accuracy		±0.2°C
Gradient temp. range		30~99.9°C
Gradient temp. difference range		0.1~30°C
Single step time range	1~59m59s(0 is forever)	
Hot cover temp. range	30-105°C	
Max. steps of the program	30	
Program max. cycle number	99	
Time increment/decrement	-599~+599s	
Temp. increment/decrement	-9.9~+9.9°C	
Program pause function	Yes	
16°C Insulation	Forever	
LCD	5 inches,800×480 Pixel	
Program storage quantity	> 100	
Communication Interface	USB 2.0(extension)	
Power supply	12V 9.99A/24V,8A	
Dimensions(mm)	W.200×D.230×H.85	
Net weight	3.2kgs	

