



NEW



www.majorsci.com
info@majorsci.com



MS-CYCLER-96 series

Thermal Cycler Standard/Gradient

The major science thermal cycler is a fundamental instrument commonly used in molecular biology laboratories for gene amplification. It plays a critical role in both scientific research and clinical diagnostics, supporting applications such as conventional polymerase chain reaction (PCR), gene expression studies, qualitative PCR gene amplification, gene chip or other gene analysis applications. The gradient thermal cycler is equipped with a gradient function that enables rapid and precise temperature changes. This ensures uniform thermal distribution across the block, facilitating efficient and reproducible PCR amplification.

Advantages

1. Compact and portable design.
2. Adaptive heated lid with an elastic structure for compatibility with various tube and microplate.
3. High-quality semiconductor thermoelectric cooling (peltier) modules for superior thermal uniformity.
4. High-speed thermal cycling, achieving heating and cooling rates of up to 5 °C/s.
5. User-friendly programming for quick and efficient experimental file editing.
6. Automated diagnostics with integrated fault detection and alarm functions.

US Office

19959 Sea Gull Way
Saratoga, CA 95070
U.S.A.
T/ +1-408-366-9866
F/ +1-408-446-1107

Taiwan Office

No. 156, Sec. 1, Guoji Rd., Taoyuan Dist.,
Taoyuan City 330041, Taiwan
T/+886-3-3762878
F/+886-3-3761310

Shanghai Office

Room 2519, No. 306 Taopu Road,
Putuo District, Shanghai
Postal code: 200333
Cell:+86-13621808204
T/ +86-21-50795277
F/ +86-21-50795277

India Office

D.No.7-143, 2nd Floor,
St.No.2,Nagendra Nagar,
Habsiguda, Hyderabad-500007.
India
T/ +91-40-27001515
T/ +91-40-27001586

Cat No.	MS-CYCLER-96	MS-CYCLER-96G
Temp mode	Standard	Gradient
Sample capacity	96×0.1/0.2mL PCR tube/96-wells Microplate(except full-skirted)	
Block temp control range	4~99°C	
Hot lid temp control range	30~110°C	
Temp display accuracy	±0.1°C	
Temp control accuracy	±0.3°C	
Temp uniformity	±0.5°C	
Max temp change rate	5.5°C/s	
Gradient setting range	/	30~99°C
Gradient span	/	1~42°C
Heating module material	Aviation aluminum	
Display	7-inch color touch screen	
User defined file storage	676 files	
Power outage protection	Yes	
Dimension	L270×W240×H150mm	
Weight	4.8kg	
Voltage/Frequency	100~240V; 50/60Hz	