

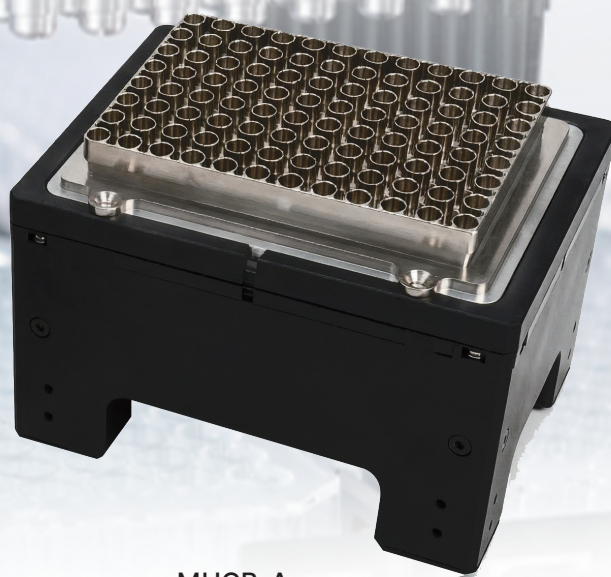


Modular Heated Shaker Modular Heating and Cooling Block

High-Efficiency Module for Lab Automation



MHS-A/MHS-B



MHCB-A

Compact Design

ANSI/SLAS-compliant footprint enables easy integration with any automated liquid handling platform.

Simplified Structure

Features an innovative drive mechanism with no need for an external controller, ensuring easier setup and maintenance.

Flexible Communication Interface

Equipped with standard RS485 and CAN interfaces for versatile system integration.

Individualized Compatibility

Supports a wide range of plate types through both standard and customized adapters.



► Specifications

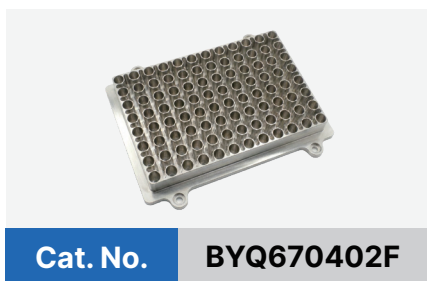
Product Name	Modular Heated Shaker	Modular Heating & Cooling Block
Model	MHS-A/MHS-B	MHCB-A
Deck Footprint	1 ANSI/SLAS footprint site	1 ANSI/SLAS footprint site
Temperature Control Range	ambient temperature +5°C to 125°C	4°C~110°C
Temperature Accuracy	≤0.3°C@37°C/75°C/95°C	≤0.3°C@37°C/75°C/95°C
Temperature Uniformity	±0.2°C@37°C/±0.3°C @75°C /±0.5°C@95°C	±0.3°C@37°C/±0.4°C@75°C /±0.5°C@95°C
Heating Time	30°C~95°C≤5min (25°C)	25°C~95°C≤5min (25°C)
Cooling Time	/	95°C~25°C≤6min (25°C) 25°C~4°C≤8min (25°C)
Time Setting Range	1min~99h59min	1min~99h59min
Mixing Frequency	100~2500 rpm (high-speed) 100~1800 rpm (low-speed)	/
Mixing Orbit in Ø (orbit)	3mm	/
Temperature Accuracy	±0.3°C	±0.3°C
Dimensions (W×D×H)	143mm×104mm×110mm	139mm×96mm×80mm
Weight	3.5kg	1.5kg
Power Supply	24V, 250W	24V, 150W

► A Variety of Standardized Adapters

Bioer Technology offers high-precision adapters to meet various applications. The adapters are optimized for excellent heat transfer, ensuring uniform temperature across all wells and reducing heating and cooling times. Adapter exchange is quick and easy, and can be completed within one minute.



Cat. No. **BYQ670401F**



Cat. No. **BYQ670402F**



Cat. No. **BYQ670403F**

* Custom adapters available on request

► Ordering Information

Cat.No.	Description
BYR6713E	Modular Heating & Cooling Block. No clamping mechanism, compatible with Semi-Skirted PCR Plate
BYQ6715E	Modular Heating & Cooling Block. With clamping mechanism, compatible with Full-Skirted PCR Plate
BYR6707E	Modular Heated Shaker. Maximum mixing frequency: 1800 rpm
BYR6704E	Modular Heated Shaker. Maximum mixing frequency: 2500 rpm
BYQ670401F	96-well deep well plate (V-type) adapter
BYQ670402F	96-well PCR plate adapter, compatible with 0.1 mL/0.2 mL plate
BYQ670403F	ELISA plate adapter
BSH134S1C	Hard-Frame 0.1 mL 96 Well Full Skirted PCR Plate: clear well, white frame
BSH134S1W	Hard-Frame 0.1 mL 96 Well Full Skirted White PCR Plate: white well, white frame
BSH143S1C	Hard-Frame 0.2 mL 96 Well Semi-Skirted PCR Plate: clear well, white frame



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