

Operation Manual



BHMS-101

HotPlate Magnetic Stirrer

Thank you for Choosing Biolab products. Please read the "Operating Instructions" and "Warranty" before operating this unit to assure proper operation.

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01 Installation Instructions

1. Unpack and place the magnetic stirrer on a stable and temperature resistant surface.
2. Ensure good working environment free of explosive, hazardous and inflammable substances.
3. Place the stirrer at >10cm distance from the wall and other units if using multiple units together.
4. Keep away from the effect of high magnetic fields.
5. Do not cover the device. Ensure that the main power supply cable does not touch the hotplate.
6. Ensure that the label indicated the correct voltage before connecting the device to power supply.
7. Do not operate the unit with a damaged power cord.
8. Connect the power cord to the unit in the socket provided.
9. Turn on the power.

02 Operating Procedure

1. Switch power ON and the instrument starts to self-check.
2. Mount a vessel with stirring liquid and suitable stirring bar on to the work plate.
3. Set the temperature by rotating the temperature control knob **Heat** slowly to desired setting.
4. Set the target speed by rotating the speed control knob **Stir** slowly to desired setting.

03 Troubleshooting and Error Code Information

Fault code	Problem description	Cause	Solution
E01	No operating response	No power supply	Check and connect the power supply before turning on the power again.
		Fuse damaged	Replace the fuse
		Connection failure	Open the instrument, check all connections and reconnect.
E02	The instrument does not heat	Target temperature is not set	Set target temperature, and temperature indicator lamp is ON
		Driver board failure	Replace the driver board
		Heating element failure	Replace the heating element
E03	Instrument does not stir	Target speed is not set	Set target speed, and speed indicator lamp is ON
		Driver board failure	Replace the driver board
		Power panel failure	Replace the power panel
		Motor failure	Replace the motor component



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