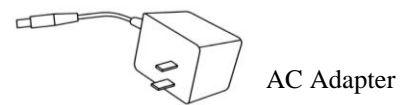
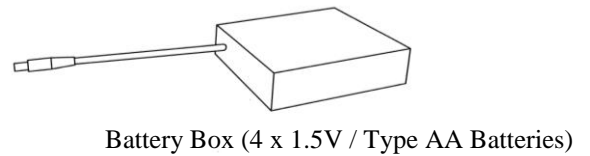
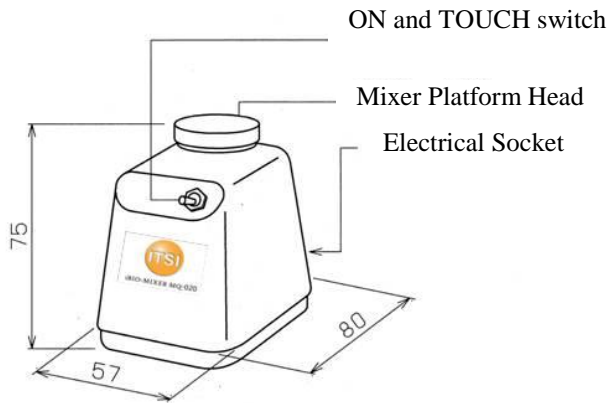


## iBio - MQ-020 - Mini-Mixer

### Introduction



The iBIO-MQ-020 is a general purpose laboratory Mixer. A two position switch allows the Mixer to be operated continuously or by “touch” activation.

Read this manual thoroughly before attempting to operate the iBIO-MQ-020-Mixer. All persons operating this piece of equipment should review the Safety Precautions section of this manual.

### Specifications

Shaking Speed	max.2600 rpm
Operation	Continuous or “touch”
Operating Temperature	5 to 35°C, Humidity levels below 80%
Dimensions	W57×D80×H75 mm, Weight 1,000g
Electrical	AC Adapter or Battery Box with 4 x 1.5V Type AA Batteries

### Unpacking and Installation

Upon receipt of the iBIO-MQ-020-Mixer, examine the exterior carton for damages. In the event of shipping damage, a claim must be filed with the transportation carrier within 10 days of receipt. Save all packaging for inspection by the carrier.

Carefully unpack the unit and check for completeness. Included in the carton should be the following:

1. iBIO-MQ-020 - Mini-Mixer Unit with shaking platform
2. Battery Box
3. AC Adapter

If any of these items are missing, contact [itsi@itsibio.com](mailto:itsi@itsibio.com) immediately. Save the original packaging until the unit has been shown to be operating properly.

Place the Mixer on a level, stable surface near a grounded electrical outlet. The surface should be clean and free of dust to ensure that the feet grip the surface firmly. With the power switch in the OFF position, plug the power cord into a grounded receptacle. Alternatively, place 4 AA Type batteries in the battery box and plug the iBIO-MQ-020-Mixer to the battery box.

## Operating the iBIO-MQ-020 - Mixer

All operating controls are located on the front panel. The power switch has two positions - TOUCH and ON. When set to the TOUCH position, the Mixer is activated by depressing the mixing head. When pressure is released from the mixing head, operation will stop. When set to the ON position, the Mixer will operate continuously until the switch is moved to the TOUCH position.

To begin operation, move the power switch to either the TOUCH or ON position. If the power switch is in the ON position, the shaking head will begin moving immediately. If the power switch is in the TOUCH position, operation will begin when an object is placed on the shaking head and slight pressure is applied to depress the head. Shaking will cease when the object is removed and pressure released.

## Safety Precautions

The following precautions should be taken when operating or working near the iBIO-MQ-020-Mixer:

- Never operate with a damaged shaker platform.
- Always wear shatterproof eye protection.
- Do not use solvents and flammables on or near the Mixer.
- Shake hazardous samples in appropriate containment vessels.
- Service and repair must be performed only by qualified professionals.
- Only qualified lab personnel to operate laboratory equipment

## Warranty

The iBIO-MQ-020-Mixer is guaranteed to be free of defects in materials and workmanship for a period of one year from the date of purchase. This guarantee is valid only if the unit has been used in accordance with the instructions in this manual and for its intended purpose. ITSI-Biosciences, LLC shall not be responsible for consequential damages or damages resulting from the abuse or misuse of this equipment. ITSI-Biosciences, LLC liability shall be limited to the repair or replacement of the unit or refund of the purchase price at ITSI-Biosciences, LLC discretion. In the event that service is required, ITSI-Biosciences, LLC Service Department must first be contacted to receive a return authorization number. ITSI-Biosciences, LLC reserve the right to alter the specification of the iBIO-MQ-020- Mixer without notice. This allows the incorporation of improvements as they are developed.

## Care and Maintenance

**Warning:** Disconnect Mixer from power source before attempting any cleaning or maintenance procedures.

Do not immerse the unit or pour liquids over it as electrical shock may occur. Clean up any spills immediately taking the proper precautions. The motor and shaking mechanism in the iBIO-MQ-020- Mixer require no routine maintenance or lubrication. To ensure a long life for the Mixer, it should be used in a dry, non-corrosive environment.

## Where to Call

If you have a question about the iBIO-MQ-020- Mixer, contact ITSI-Biosciences, LLC Customer Service Department at 814-262-7331, Monday through Friday, 9am to 5pm EST or email: [itsi@itsibio.com](mailto:itsi@itsibio.com)

Before returning any unit for service, a Repair Return Authorization (RRA) number must first be obtained. Equipment sent in without out prior authorization will be returned at the customer's expense. When returning a unit to ITSI-Biosciences, LLC for service, it should be sent in the original packaging. If this is not possible, be sure that the unit is sufficiently packed. Any damage resulting from improper packaging is the responsibility of the customer. A written explanation should accompany the unit along with the RRA number.

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ITSI-Biosciences, LLC  
633 Napoleon Street  
Johnstown, PA 15901  
Phone: 814-262-7331  
Fax: 814-262-7334  
Email: [itsi@itsibio.com](mailto:itsi@itsibio.com)