

Operations Manual Item: H3D1020 V2.0

Mini BioMixer™ 3D (Nutating) Rockers



Introduction:

Benchmark's Mini BioMixerTM is a nutating mixer with the angle and speed set for gentle, but through, no/low foam tube mixing and other nutating mixer applications. The Mixer comes with an ample mini sized (6" \times 8") platform designed to fit inside the myTempTM mini incubator.

I. Specifications:

Speed: Fixed: 24rpm (20 rpm for 230 volt models) **Tilt angle:** +/- 20 degrees from the horizontal

Motor: Long life AC gear motor

(no DC motor carbon brushes to replace) **Platforms:** 15.25 x 20.25 cm (6 x 8") **Mat:** Flat & Dimpled, autoclavable

Load Capacity: 1.6kg (3.5 lb) centered and balanced **Dimensions:** 20.3 x 15.25 x 20.3 cm (8 x 6 x 8 in.)

Weight: 2kg, 4.4lbs / 1.7kg, 3.8lbs

Electrical:

115VAC, 60Hz, 0.4 A (B3D1320 and B3D1020) 230VAC, 50Hz, 0.2 A (B3D1320-230 & B3D1020-230)

Operating environment: 4°C to 45°C

Warranty: 2 years

II. Product Set-Up:

To install the Mini 3D shaker first remove the drip tray from the base of the mini incubator (see figure A.). Then plug the power cord into the power inlet on the back wall of the incubator chamber (see figure B.) Install the shaker on the floor of the incubator (it should not be installed on any of the included shelves).

Once the shaker has been installed, center the base so that the platform will not contact the front door or the back fan cover when rotating.



Figure A.



Figure B.

III. Product Operation:

Load the platform from the center out, making sure the items placed on the platform form a balanced load around the center of the platform. This is important as larger, overhung loads may cause the rocker to stall or tip. Turn the unit on by activating the ON/OFF switch so that it is illuminated. The rotator will begin to rotate.

IV. Care and Maintenance:

No routine maintenance is required other that to keep the unit clean. Cleaning can be done with a damp cloth. Avoid the use of solvents as they may attach the rubber mat of plastic (ABS) housing.

Service and Contact:

In the event that service or technical support is required, please contact **Benchmark** by phone at **1-908-769-5555** or by email at info@benchmarkscientific.com.

