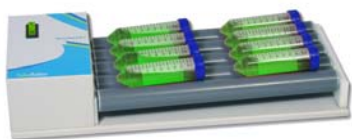


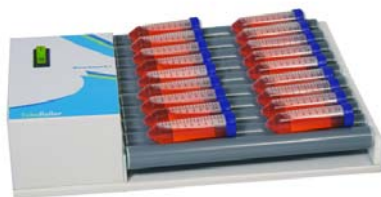


Operations Manual
Item: R3005 & R3010
V1.0

TubeRoller
Tube and Bottle Roller



R3005



R3010

Introduction:

Benchmark's TubeRoller is a compact, quiet roller with the optimized rolling speed and tilt for sample mixing. The roller will operate in cold rooms down to 4°C and in incubators up to 40°C.

I. Specifications:

Speed: fixed at 38rpm (+/- 10%)

Tilt angle: +/-5 degrees

Motion: Simultaneous roll and tilt

Dimensions: (wxdxh)

R3005: 45 x 18 x 9 cm (18 x 7 x 3.5")

R3010: 45 x 36 x 9 cm (18 x 14 x 3.5")

Number of rollers: R3005: 5 R3010: 10

Vessels Accepted: 8mm to 200mm diameter

Roller Spacing: 5mm (rollers are on 35mm centers)

Weight: R3005: 5kg (11 lbs) R3010: 8kg (17.6lbs)

Electrical: 115VAC, 60Hz

230VAC, 50Hz CE compliant

Operating environment: 4°C (cold room) to 40°C (incubator)

Warranty: 2 years

II. Product Set-Up:

Place the roller on a clean, flat, stable surface. Make sure that the power switch is in the OFF (not illuminated) position. Plug the roller into a properly grounded outlet. Check that nothing blocks the up and down rocking action of the platform.

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 line of the platform. Turn the unit on by activating the ON/OFF switch so that it is illuminated. The roller will begin to roll and rock simultaneously.

IV. Care and Maintenance:

No routine maintenance is required other than to keep the unit clean. Cleaning can be done with a damp cloth. Avoid the use of solvents as they may damage the product 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.

