

appleton®

For the Life Scientist

Appleton appMIX Tube Rotator



Instruction Manual

Product code: AER0004

Introduction

The Appleton appMIX Tube Rotator provides a wide range of mixing capabilities suitable for an array of laboratory applications including resuspension, protein binding, nucleic acid purification, histochemistry and hybridization.

Before operating the appMIX Tube Rotator, please read this instruction manual carefully.

Product Specifications

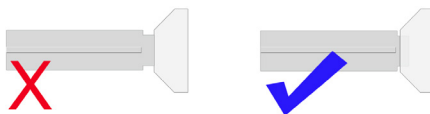
Speed:	Adjustable from 5 to 70 rpm
Max Capacity:	6 x 50ml / 20 x 15ml / 44 x 1.5/2.0ml
Dimensions: (WxDxH)	27.5 x 15.2 x 16.5 cm
Operating Environment:	4°C (cold room) to 65°C
Weight:	1.4kg
Electrical:	100 to 240V, 50-60Hz, 0.25A 5W
Warranty:	2 years

Product Set-Up

Place the rotator on a clean and stable surface. (Ensure that there is at least 10cm of open space both in front of and behind the instrument.) Plug the instrument into an outlet of the appropriate voltage.

Tube Holder Installation/Exchange

The instrument includes an assortment of tube holders and posts. Attach the tube holders (below) to the included post with two arms. Press holders on firmly to prevent them from coming loose during use. Once pressed on firmly, attach the post to the rotator by inserting the post into the left side of the rotator first and then into the main body (right side). Once inserted, rotate the post until it is fully installed, see below:



To adjust the angle of which the tubes rotate, simply rotate the position of the tube holders by hand until the desired rotational angle is achieved.

Attach the large tube holder directly to the rotator (without posts). Insert the holder into the left side of the rotator first and then into the main body (right side). Once inserted, rotate the post until it is fully installed (similar to diagram above).

To rotate tubes horizontally (rolling/hybridization motion), first attach the two small posts to the centre of the large tube holder. (One post has a small flat that can be inserted to correspond to the flat located in the centre of the tube holder). Thread the two posts together by turning the post (without flat) clockwise until fully tightened. Then insert posts into the rotator as described on the previous page.

To load test-tubes, press them firmly into the appropriate holder. ALWAYS ensure a balanced load across both sides of the rotational axis. (When mixing 15 and 50ml tubes, always load a similar quantity of tubes on each side of the rotational axis.)

Product Operation

Set the Rotational Speed

The rotational speed can be selected by pressing the up and down keys to adjust the display to the desired speed setting (5 to 70 rpm)

Choose the Mixing Mode

The rotator offers three additional mixing programs, Mix, Pause and Rock. To activate, press the "Prog" key, an LED for the activate mode is illuminated. To toggle between programs, press the "Prog" key again. **To return to the standard rotating program, press the "Prog" key until all LED indicators are off.**

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 harsh solvents. Appleton Woods distributes these products in the UK, for customer service or technical support, please contact: info@appletonwoods.co.uk or call on **0121 4587740**.

Warranty

This product is covered by the **Appleton Promise** which means that should any faults arise within the 2 years warranty period it will be replaced free of charge. Damage from neglect, misuse or dropping the unit will not be covered under the warranty.



Distributed by



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