

Instruction manual

VWR® TubeRoller 5 and TubeRoller 10

EU cat. no 444-1339
 444-1342



CE

UK
CA

Legal address of Manufacturer

Europe

VWR International bv,
Researchpark Haasrode 2020
Geldenaaksebaan 464 B-3001
Leuven
+3216385011
be.vwr.com

UK Importer:
VWR International Ltd
Hunter Boulevard, Magna Park
Lutterworth, Leicestershire, LE17 4XN
uk.vwr.com

Country of Origin

Taiwan

Table of Contents

Warning

Safety information

Package Contents

Unpacking

Intended Use

Symbols and conventions

Specifications

Instructions for use

Troubleshooting

General maintenance

Accessories and spares

Technical Service

Warranty

Disposal

Warning

The VWR® TubeRoller 5 and VWR® TubeRoller 10 are for research use only. Not intended for medical, diagnostic, or therapeutic use, human or otherwise.

Safety Information

Avoiding Electrical Shock

Please follow the guidelines below and read this manual in its entirety to ensure safe operation of the unit.



To avoid electrical shock:

Always plug the instrument into a properly grounded AC outlet.

Ensure that your hands, work area, and instruments are clean and dry before plugging the instrument into an outlet.

Ensure that local voltage is within the voltage range of the instrument.



Avoiding Damage to the Instrument

Ensure there are no obstructions to the motion of the instrument prior to use.

Ensure that the total weight of the load is below the maximum weight specified.

Always place the instrument on a flat, level surface.

Package Contents

Description	Quantity
TubeRoller 5 or TubeRoller 10	1
UK Plugged Lead	1
EU Plugged Lead	1
Swiss Plugged Lead	1

Unpacking

Ensure all components are present prior to continuing. If any are missing, contact your VWR® representative.

Intended use

The VWR® TubeRoller 5 and TubeRoller 10 are intended for gentle, thorough mixing of a wide range of sample containers, through a rolling motion alongside a gentle vertical rocking motion. Sample vessels are intended to lay flat on the rollers to be mixed. Intended users of the VWR® TubeRoller 5 and TubeRoller 10 are clinical labs, doctor's offices, and researchers needing non-vigorous sample mixing.

For research use only. Not intended for any animal or human therapeutic or diagnostic use.

Symbols and conventions

The following chart is an illustrated glossary of the symbols that are used in this manual.

	CAUTION This symbol indicates a potential risk and alerts you to proceed with caution
---	--

Product Specifications

VWR® TubeRoller 5 (444-1339)

Speed Range	2 to 80 RPM, Variable
Operating Temperature	4°C to 40°C ambient temperature
Individual Roller Dimensions	3 x 32 cm
Vessels Accepted, Diameter	8 mm to 200 mm
Rolling Spacing	5 mm on 35 mm centers
Number of Rollers	5
Load Capacity	2 kg
Dimensions	45 x 18 x 9 cm
Weight	5 kg
Electrical	230V, 50-60 Hz
Warranty	2 Years

VWR® TubeRoller 10 (444-1342)

Speed Range	2 to 80 RPM, Variable
Operating Temperature	4°C to 40°C ambient temperature
Individual Roller Dimensions	3 x 32 cm
Vessels Accepted, Diameter	8 mm to 200 mm
Rolling Spacing	5 mm on 35 mm centers
Number of Rollers	5
Load Capacity	2 kg
Dimensions	45 x 18 x 9 cm
Weight	5 kg
Electrical	230V, 50-60 Hz
Warranty	2 Years

Overview

The VWR® Tube Rollers are designed for gentle yet complete mixing of a wide range of sample vessels, including Vacutainers™, media bottles, blood tubes, centrifuge tubes, and roller bottles. With both models, speed is controlled digitally, and is variable between 2 and 80 rpm.

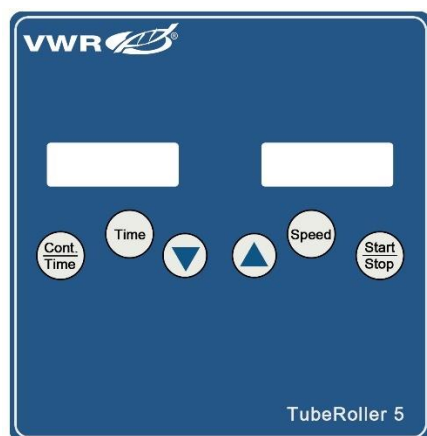
In addition to the rolling motion, the VWR® Tube Rollers also feature a gentle 0.5 in (13mm) elevation function on the right-side end of each roller. The tilting feature provides a heightened level of mixing homogeneity and uniformity without placing unnecessary stress on samples.

VWR® Tube Rollers additionally feature an integrated timer, which is controlled digitally. The timer can be set from 1 minute to 100 hours, with an additional continuous operation mode. The VWR® Tube Rollers are the right choice for research laboratories, clinical laboratories, and physician's offices in need of a tube mixing solution.

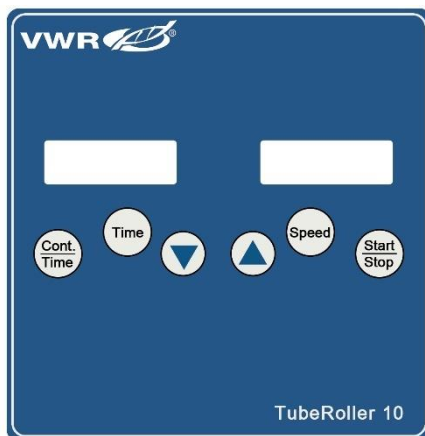
Description of Buttons and Switches

Main View

VWR® TubeRoller 5



VWR® TubeRoller 10



Operational keys

Key	Functions
-----	-----------



START|STOP Key: Used to start instrument run, or to stop instrument run during use.



CONT|TIME Key: Used to switch between continuous run mode and timed run mode.



TIME Key: In timed run mode, used to enter timer adjustment mode.



Down arrow key: Used during adjustment modes to reduce timer and speed.



Up arrow key: Used during adjustment modes to increase timer and speed.



SPEED Key: Used to enter speed adjustment mode.

Getting Started

Installing the VWR® TubeRoller 5 and TubeRoller 10

Place the roller on a clean, flat, stable surface. Prior to connecting the unit to power, ensure the power switch located on the rear of the unit is in the OFF position. Plug the roller into a properly grounded outlet at the correct voltage. Always ensure that there are no obstructions blocking the vertical rocking motion of the rolling platform.

Operation

Load the roller platform prior to powering the unit on. Ensure to load the unit from the center out, creating a balanced load about the center line of the platform. Once the unit is loaded to satisfaction with a balanced load, power the unit on by pressing the power switch to the ON position.

Enter time adjustment mode by pressing the "TIME" key. The timer display will begin flashing. Use the up arrow and down arrow keys to adjust run time. Once finished, press the "TIME" key again to store the time value. Enter speed adjustment mode by pressing "SPEED". The speed display will begin flashing. Use the up arrow and down arrow keys to adjust speed. Once finished, press the "SPEED" key again to store the speed setting. To switch to continuous operation, press the "CONT.|TIME" button. The display should read "cont". To switch back to timed run mode, press "CONT.|TIME" again. To start operation, press "START|STOP". The unit will run until time elapses, or continuously. Press "START|STOP" again to stop the run at any time.

Troubleshooting

Review the information in the table below to troubleshoot operating problems.

Problem	Cause	Solution
Unit is not powering on	Faulty outlet	Check outlet with other electronics known to work
	Damaged fuse	Replace fuse
Rolling motion is stiff, not fluid, or stops	Obstructions underneath rollers	Clear obstructions
Unit stops rolling prior to time end or during continuous mode	Faulty motor	Return unit to manufacturer for service
Unit not running	Faulty components	Return unit to manufacturer for service

Repair and maintenance of VWR® TubeRoller 5 and TubeRoller 10

Routine maintenance of this unit only involves keeping the unit clean. No other routine maintenance or repair is required. Cleaning can be done with a damp cloth. Avoid the use of solvents to avoid the risk of damage to the housing or rollers.

Technical service

Web Resources

Visit the VWR website at www.vwr.com for:

- Complete technical service contact information
- Access to the VWR Online Catalogue, and information about accessories and related products
- Additional product information and special offers

Contact us For information or technical assistance contact your local VWR representative or visit. www.vwr.com.

Warranty

VWR warrants that this product will be free from defects in material and workmanship for a period of two (2) years from date of delivery. If a defect is present, VWR will, at its option and cost, repair, replace, or refund the purchase price of this product to the customer, provided it is returned during the warranty period. This warranty does not apply if the product has been damaged by accident, abuse, misuse, or misapplication, or from ordinary wear and tear. If the required maintenance and inspection services are not performed according to the manuals and any local regulations, such warranty turns invalid, except to the extent, the defect of the product is not due to such non-performance.

Items being returned must be insured by the customer against possible damage or loss. This warranty shall be limited to the aforementioned remedies. IT IS EXPRESSLY AGREED THAT THIS WARRANTY WILL BE IN LIEU OF ALL WARRANTIES OF FITNESS AND IN LIEU OF THE WARRANTY OF MERCHANTABILITY.

Compliance with local laws and regulations

The customer is responsible for applying for and obtaining the necessary regulatory approvals or other authorisations necessary to run or use the Product in its local environment. VWR will not be held liable for any related omission or for not obtaining the required approval or authorisation, unless any refusal is due to a defect of the product.

Equipment disposal



This equipment is marked with the crossed out wheeled bin symbol to indicate that this equipment must not be disposed of with unsorted waste.

Instead it's your responsibility to correctly dispose of your equipment at lifecycle -end by handling it over to an authorized facility for separate collection and recycling. It's also your responsibility to decontaminate the equipment in case of biological, chemical and/or radiological contamination, so as to protect from health hazards the persons involved in the disposal and recycling of the equipment.

For more information about where you can drop off your waste of equipment, please contact your local dealer from whom you originally purchased this equipment.

By doing so, you will help to conserve natural and environmental resources and you will ensure that your equipment is recycled in a manner that protects human health.

Thank you

Local VWR offices in Europe and Asia Pacific

Austria

VWR International GmbH
Graumanngasse 7
1150 Vienna
Tel.: +43 1 97 002 0
Email: info.at@vwr.com

Belgium

VWR International BV
Researchpark Haasrode 2020
Geldenaaksebaan 464
3001 Leuven
Tel.: +32 016 385 011
Email: vwr.be@vwr.com

China

VWR (Shanghai) Co., Ltd
Bld.No.1, No.3728 Jinke Rd,
Pudong New District
Shanghai, 201203- China
Tel.: +400 821 8006
Email: info_china@vwr.com

Czech Republic

VWR International s. r. o.
Veetee Business Park
Pražská 442
CZ - 281 67 Stránská Skalce
Tel.: +420 321 570 321
Email: info.cz@vwr.com

Denmark

VWR International A/S
Tobaksvejen 21
2860 Søborg
Tel.: +45 43 86 87 88
Email: info.dk@vwr.com

Finland

VWR International Oy
Valimotie 17-19
00380 Helsinki
Tel.: +358 9 80 45 51
Email: info.fi@vwr.com

France

VWR International S.A.S.
Immeuble Estréo
1-3 rue d'Aurion
93114 Rosny-sous-Bois cedex
Tel.: 0 825 02 30 30* (national)
Tel.: +33 (0) 1 45 14 85 00
(international)
Email: info.fr@vwr.com
* 0,18 € TTC/ min + prix appel

Germany

VWR International GmbH
Hilpertstrasse 20a
D - 64295 Darmstadt
Freecall: 0800 702 00 07
Tel.: +49 (0) 6151 3972 0 (international)
Email: info.de@vwr.com

Hungary

VWR International Kft.
Simon László u. 4.
4034 Debrecen
Tel.: +36 (52) 521-130
Email: info.hu@vwr.com

India

VWR Lab Products Private Limited
No.139. BDA Industrial Suburb,
6th Main, Tumkur Road,
Peenya Post,
Bangalore, India – 560058
Tel.: +91-80-28078400
Email: vwr_india@vwr.com

Ireland

VWR International Ltd
Orion Business Campus
Northwest Business Park
Ballycoolin
Dublin 15
Tel.: +353 01 88 22 222
Email sales.ie@vwr.com

Italy

VWR International S.r.l.
Via San Giusto 85
20153 Milano (MI)
Tel.: +39 02-3320311/02-487791
Email: info.it@vwr.com

Korea

Avantor Performance Materials Korea
Ltd
2F ACE Gwanggyo Tower I
Daehak 4ro 17
Yeongtong-gu Suwon
Korea 16226
Tel.: +82 31 645 7256
saleskorea@avantorsciences.com

Middle East & Africa

VWR International FZ-LLC
Office 203, DSP Lab Complex,
Dubai Science Park
Dubai, United Arab Emirates
Tel.: +971 4 5573271
info.mea@vwr.com

The Netherlands

VWR International B.V.
Postbus 8198
1005 AD Amsterdam
Tel.: +31 020 4808 400
Email: info.nl@vwr.com

Norway

VWR International AS
Brynsalleen 4
0667 Oslo
Tel.: +47 22 90 00 00
Email: info.no@vwr.com

Poland

VWR International Sp. z o.o.
Limbowa 5
80-175 Gdansk
Tel.: +48 058 32 38 210
Email: info.pl@vwr.com

Portugal

VWR International – Mat. de
Laboratório, Soc. Unipessoal, Lda
Edifício Ramazzotti
Avenida do Forte 6, P-1.09 e P-1.10
2790-072 Carnaxide
Tel.: +351 21 3600 770
Email: info.pt@vwr.com

Singapore

VWR Singapore Pte Ltd
The Metropolis
Tower 1, #05-03
9 North Buona Vista Drive
Singapore 138588
Tel: +65 6505 0760
Email: sales.sg@vwr.com

Spain

VWR International Eurolab S.L.
C/ Tecnología 5-17
A-7 Llinars Park
08450 - Llinars del Vallès
Barcelona
Tel.: +34 902 222 897
Email: info.es@vwr.com

Sweden

VWR International AB
Fagerstagatan 18b
163 94 Stockholm
Tel.: +46 08 621 34 20
Email: info.se@vwr.com

Switzerland

VWR International GmbH
Lerzenstrasse 16/18
8953 Dietikon
Tel.: +41 044 745 13 13
Email: info.ch@vwr.com

UK

VWR International Ltd
Customer Service Centre
Hunter Boulevard
Magna Park
Lutterworth
Leicestershire
LE17 4XN
Tel.: +44 (0) 800 22 33 44
Email: uksales@vwr.com