

VWR Mini Blot Mixer

INSTRUCTION MANUAL

North American Catalog Number

US Cord(120V): 82007-202

US Cord(230V): 83007-210

European Catalogue Number(s):

Euro Plug: 700-0245

Swiss Plug: 700-0247

UK Plug: 700-0246

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Legal Address of Manufacturer

United States

VWR International

1310 Goshen Parkway

West Chester, PA 19380

800-932-5000

<http://www.vwr.com>

Europe

VWR International bvba/sprl

Researchpark Hassrode 2020

Geldenaaksebaan 464

3001 Leuven

+ 32 16 385011

<http://www.be.vwr.com>

Country of origin

USA

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Safety Information

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

- Hazardous samples should be mixed only in appropriate containment vessels.
- Do not mix flammable or explosive samples!



To avoid electrical shock:

- Do not use the mixer near water sources. Be sure that water doesn't get on the device, especially during the cleaning procedures!



Avoiding Damage to the Instrument

- Do not expose the mixer to aggressive vapors (e.g. organic solvents).

Package Contents

Description	Quantity
VWR Mini Blot Mixer	1
Small Blot Box	1
Large Blot Box	1
Instruction Manual	1
Warranty Card	1

Unpacking

Before starting the installation, carefully examine the mixer.

- Open the box and carefully remove the padding. Check that the mixer has not been visibly damaged during transportation. Keep the packing material until you are sure that the mixer works properly.
- Carefully lift the device out of the box.
- Be sure that the following information is included on the serial label located on the bottom of the unit: Serial Number, Product number, Electrical rating.
- Check that the power cord plug has a pin configuration that matches a wall socket according to the local standard.

Should any kind of damage have occurred during transportation, contact the carrier immediately. The carrier is responsible for shipping damage.

Installation

Place the mixer on a horizontal, level and stable surface. Connect the plug end of the cord to a grounded wall socket. Avoid lines on which powerful electric motors, refrigerators and similar devices are connected. Use the on/off switch to control power to the mixer.



Use caution when plugging into a grounded wall socket!

Do not touch plug with wet hands!

Do not unplug by pulling on the cord!

Intended use

The VWR Mini Blot Mixer combines the actions of a rocker and a shaker to produce a three dimensional motion that is gentle enough for fragile gels and blots, yet provides thorough mixing. Designed for processing blots and staining applications, the pitch and speed of the mixer are optimally set to allow for use of a minimal amount of solution while preventing the membrane or gel from drying out. The flat rubber mat is ideal for holding blotting boxes or trays.

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 may be used in this manual or on the product.

	The electrical warning indicates the presence of a potential hazard which could result in electrical shock.
	CAUTION This symbol refers you to important operating and maintenance (servicing) instructions within the product Instruction Manual. Failure to heed this information may present a risk of damage or injury to persons or equipment.
	This symbol identifies a Protective Earth (PE) terminal, which is provided for connection of the supply system's protective earth (green or green/yellow) conductor.

Product Specifications

Electrical requirements:	115V model 115V $\pm$ 10% - 50/60Hz, 0.03A 230V model 230V $\pm$ 10% - 50/60Hz, 0.015A
Speed:	115V/230V model 18 rpm / 20 rpm
Motion:	3-Dimensional rocking/rotating
Platform Tilt angle:	5°
Platform Dimensions:	20 x 16.5cm
Dimensions WxLxH:	20 x 16.5 x 17cm
Platform Load Capacity:	0.8kg
Platform Capacity	4 Small Blotting Boxes 2 Large Blotting Boxes
Weight:	0.85kg
Operating conditions:	4°C to 65°C, up to 85% RH, non-condensing

Description of Buttons and Switches

Main Power Switch



Operation

Blotting boxes or trays may be placed directly on the rubber mat. When placing boxes, it is important to arrange them evenly to distribute the weight across the platform.



Always load the platform in a uniform and balanced fashion.

Use the On / Off switch to turn the unit on. The direction of rotation in which the unit starts is random and does not affect mixing. If desired, the rotational direction can be reversed by holding the unit's base and very briefly touching the rotating platform on the bottom at one corner. This technique can also be used to select the quietest direction of rotation.

Troubleshooting

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

Problem	Cause	Solution
Mixer does not start.	Power connection	Check power connection
	Platform blocked	Check for obstructions blocking the motion of the platform.
	Motor Problem	Contact VWR Technical service
Platform continually changes rotation direction	Platform blocked	Check for obstructions blocking the motion of the platform.

Repair and maintenance of the VWR Mini Blot Mixer

- No routine maintenance or lubrication is required.
- Keeping the mixer clean will help to maintain it in proper working order

Cleaning

The outside housing can be cleaned with a soft, damp cloth when needed.

Do not use any aggressive or abrasive cleaners (acetone, nitro, polish etc.) This may permanently damage the mixer finish.

Before cleaning the mixer, always unplug the power cord from the wall socket!

User replaceable accessories and spare parts

The small and large blot boxes are available separately

Description	Part Number
Small Blot Box, Pack of 10	700-0248
Large Blot Box, Pack of 10	700-0249

Technical service

Web Resources

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

- Complete technical service contact information
- Access to VWR's 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 International warrants that this product will be free from defects in material and workmanship for a period of two (2) years from date of purchase. If a defect is present, VWR will, at its option, repair, replace, or refund the purchase price of this product at no charge to you, 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.

For your protection, items being returned must be insured against possible damage or loss. This warranty shall be limited to the replacement of defective products. IT IS EXPRESSLY AGREED THAT THIS WARRANTY WILL BE IN LIEU OF ALL WARRANTIES OF FITNESS AND IN LIEU OF THE WARRANTY OF MERCHANTABILITY.

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

Austria

VWR International GmbH
Graumannsgasse 7
1150 Vienna
Tel.: +43 1 97 002 0
Fax: +43 1 97 002 600
E-mail: info@at.vwr.com

Belgium

VWR International bvba
Researchpark Haasrode 2020
Geldenaaksebaan 464
3001 Leuven
Tel.: 016 385 011
Fax: 016 385 385
E-mail: customerservice@be.vwr.com

Czech Republic

VWR International s. r. o.
Veetee Business Park
Pražská 442
CZ - 281 67 Stříbrná Skalice
Tel.: +420 321 570 321
Fax: +420 321 570 320
E-mail: info@cz.vwr.com

Denmark

VWR - Bie & Berntsen
Transformervej 8
2730 Herlev
Tel.: 43 86 87 88
Fax: 43 86 87 90
E-mail: info@dk.vwr.com

Finland

VWR International Oy
Valimotie 9
00380 Helsinki
Tel.: 09 80 45 51
Fax: 09 80 45 52 00
E-mail: info@fi.vwr.com

France

VWR International S.A.S.
Le Périgares – Bâtiment B
201, rue Carnot
94126 Fontenay-sous-Bois cedex
Tel.: 0 825 02 30 30 (0,15 € TTC/min)
Fax: 0 825 02 30 35 (0,15 € TTC/min)
E-mail: info@fr.vwr.com

Germany

VWR International GmbH
Hilpertstraße 20a
D - 64295 Darmstadt
Free call: 0800 702 00 07
Fax: 0180 570 22 22*
Email: info@de.vwr.com
*0,14 €/Min. aus d. dt. Festnetz

Hungary

VWR International Kft.
Simon László u. 4.
4034 Debrecen
Tel.: (52) 521-130
Fax: (52) 470-069
E-mail: info@hu.vwr.com

Ireland / Northern Ireland

VWR International Ltd /
VWR International (Northern Ireland) Ltd
Orion Business Campus
Northwest Business Park
Ballycoolin
Dublin 15
Tel.: 01 88 22 222
Fax: 01 88 22 333
E-mail: sales@ie.vwr.com

Italy

VWR International PBI S.r.l.
Via San Giusto 85
20153 Milano (MI)
Tel.: 02-3320311/02-487791
Fax: 800 152999/02-40090010
E-mail: info@it.vwr.com

The Netherlands

VWR International B.V.
Postbus 8198
1005 AD Amsterdam
Tel.: 020 4808 400
Fax: 020 4808 480
E-mail: info@nl.vwr.com

Norway

VWR International AS
Haavard Martinsens vei 30
0978 Oslo
Tel.: 02290
Fax: 815 00 940
E-mail: info@no.vwr.com

Poland

VWR International Sp. z o.o.
Limbowa 5
80-175 Gdansk
Tel.: 058 32 38 200 do 204
Fax: 058 32 38 205
E-mail: info@pl.vwr.com

Portugal

VWR International -
Material de Laboratório, Lda
Edifício Neopark
Av. Tomás Ribeiro, 43- 3 D
2790-221 Carnaxide
Tel.: 21 3600 770
Fax: 21 3600 798/9
E-mail: info@pt.vwr.com

Spain

VWR International Eurolab S.L.
C/ Tecnología 5-17
A-7 Llinars Park
08450 - Llinars del Vallès
Barcelona
Tel.: 902 222 897
Fax: 902 430 657
E-mail: info@es.vwr.com

Sweden

VWR International AB
Fagerstagatan 18a
163 94 Stockholm
Tel.: 08 621 34 00
Fax: 08 621 34 66
E-mail: kundservice@se.vwr.com

Switzerland

VWR International GmbH
Lerzenstrasse 16/18
8953 Dietikon
Tel.: 044 745 13 13
Fax: 044 745 13 10
E-mail: info@ch.vwr.com

Turkey

Pro Lab Laboratuvar Teknolojileri Ltd.Şti.
a VWR International Company
Orta Mah. Cemal Gürsel Caddesi
Ördekcioglu İşmerkezi No.32/1
34896 Pendik - Istanbul
Tel.: +90216 598 2900
Fax: +90216 598 2907
Email: info@pro-lab.com.tr

UK

VWR International Ltd
Customer Service Centre
Hunter Boulevard - Magna Park
Lutterworth
Leicestershire
LE17 4XN
Tel.: 0800 22 33 44
Fax: 01455 55 85 86
E-mail: uksales@uk.vwr.com

Australia

VWR International, Pty Ltd.
Unit 1/31 Archimedes Place
Murarrie, Queensland 4172
Tel.: 1300 727 696
Fax: 1300 135 123

China

VWR International China Co., Ltd
Rm.219, 2100 Dongming Road
Pudong New District
Shanghai 200123
Tel.: +86-21-5898 6888
Fax: +86-21-5855 8801
E-mail: info_china@vwr.com

India

VWR Lab Products Private Limited
135/12, Brigade Towers, 2nd Floor
Front wing, Brigade Road,
Bengaluru, India – 560 025
Tel.: +91-80-41117125/26 (Bengaluru)
Tel.: +91-2522-647911/922 (Mumbai)
Fax: +91-80-41117120
E-mail: vwr_india@vwr.com

New Zealand

Global Science - A VWR Company
241 Bush Road
Albany 0632, Auckland
Tel.: 0800 734 100
Fax: 0800 999 002
E-mail: sales@globalscience.co.nz

Singapore

VWR Singapore Pte Ltd
18 Gul Drive
Singapore 629468
Tel.: +65 6505 0760
Fax: +65 6264 3780
E-mail: sales@sg.vwr.com

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