avantor™
delivered by VWR™

Instruction manual

VWR® Microbiological Air Sampler SAS Super IAQ

EU Catalogue Number:

710-0868

710-0919

710-2149

710-1048



CE

UK CA

VWR®

VERSION: 1
ISSUED: JULY 2021

Europe
VWR International Srl
Via S. Giusto 85
20153 Milano
Italy
Tel.: + 39 0233 203 11
http://it.vwr.com

Country of origin Italy

Table of contents

LEGAL ADDRESS OF MANUFACTURER
2

WARNING
3

SAFETY INFORMATION
3

KIT AND UNIT DESCRIPTION
4

TECHNICAL FEATURES
5

INTENDED USE
5

BRIEF OPERATING INSTRUCTIONS
6

INSTALLATION
6-7

FUNCTIONS
8-9

COLONY FORMING UNIT CORRECTION FACTOR
10-15

ACCESSORIES
16

TROUBLESHOOTING
16

TECHNICAL SERVICE
17

WARRANTY
17

COMPLIANCE WITH LOCAL LAWS AND REGULATIONS
17

EQUIPMENT DISPOSAL
18

Warning!

This document is the property of VWR International S.r.l. - Milan - Italy
It may not be duplicated or distributed without the owner's authorisation. Patent Pending
Manufactured by VWR International S.r.l. - Milan, Italy

Safety Information

Use the device only for the indicated purposes.
The device must be correctly used according to this instruction manual before starting any operation. Immediately replace any electrical cable when damaged.

Always disconnect the charger before:

- Repairing or maintenance; these operations must be carried out by qualified staff
- Cleaning the unit

Use original spare parts and accessories for any replacement.

Do not use this device in the presence of explosive gas.

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

⚠ Be aware that the voltage and frequency of the electrical system are compatible with the electrical requirements of the battery charger

⚠ Never use a non OEM charger to charge the air sampler.
Use of improper charger may damage the unit.

Kit and unit description







1 Soft carrying case
2 SAS IAQ control unit
3 Aluminium head
4 Battery charger
5 Remote control
6 "Clear" button
7 "Enter" button
8 Arrow "Up"
9 "Start" button
10 Arrow "Down"
11 Standing feet
12 Printer connection (not used)
13 Main switch
14 Serial number
15 CE mark
16 Charger connection

Technical features

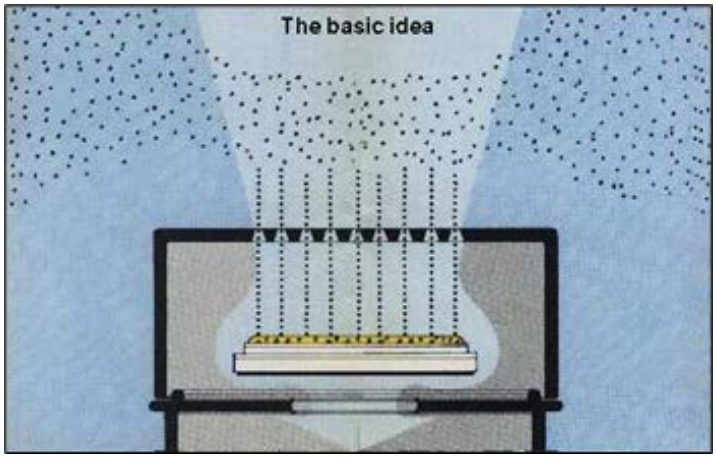
Model	SAS IAQ Contact		SAS IAQ Petri	
Cat. No.	710-0868	710-1048	710-0919	710-2149
Airflow	100 l/min		100 l/min	
Use with	55 mm contact plates		90 mm Petri dishes	
Portable	Yes		Yes	
Battery	Rechargeable		Rechargeable	
Battery life	70 000 l		70 000 l	
Accessories included	Yes	No	Yes	No

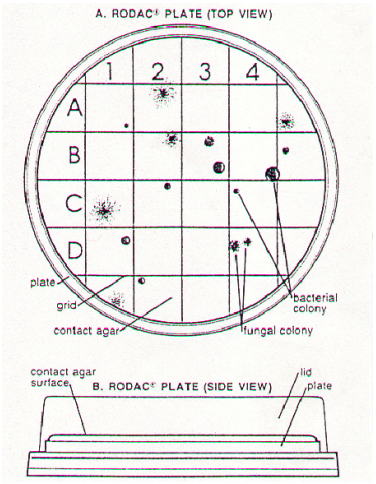
Intended use

Principle

The Surface Air System (SAS) encompasses several models which use the same principle. Air is aspirated at a fixed speed for variable time through a head which has been machined with a series of specially designed small holes. The resulting laminar airflow is directed onto the agar surface of a "RODAC plate" (or Petri dish) containing medium for microbiological analysis.

When the selected sampling cycle is completed, the plate is removed and incubated.
The organisms are then visible to the naked eye and can be counted for the assessment of contamination levels.





The basic idea

The key features of the Surface Air System (SAS) are:

1. To use a simple and inexpensive "contact plate" ("SURFAIR PLATE", "RODAC") for surface, hand or air control. These plates are very well known and easily available. They can be purchased ready poured with different media.
2. To sample a known volume of air for a variable time to provide a range of sampling volumes.
3. To aspirate air in a laminar flow pattern with sufficient velocity to impact organisms onto an agar surface.
4. To accumulate data on the level of hygiene in each environment so that fluctuations can be monitored.
5. To take advantage of advanced electronics for more reliable results in different operating conditions.
6. To have the flexibility to choose between 55 mm contact plates or 90 mm standard Petri dishes

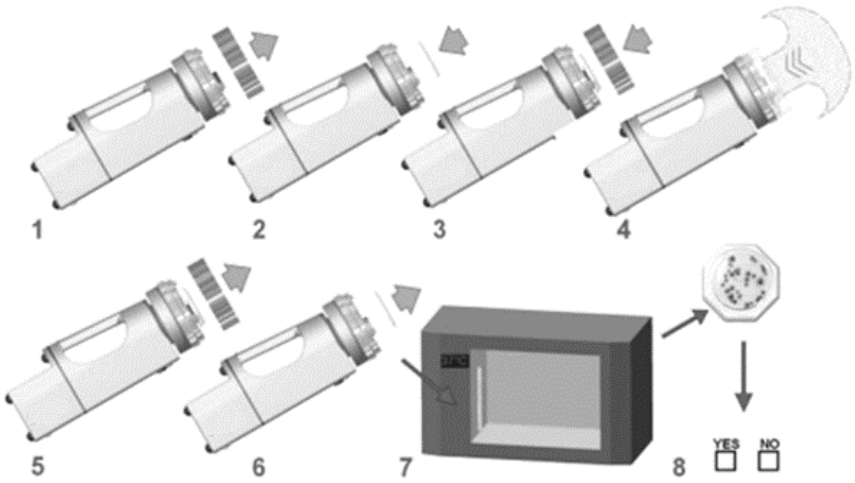
Brief operating instructions

Brief operating instruction for SAS Super IAQ

1 Press main switch.
2 Press 'START' button to sample the same air volume as the last sampling cycle.
3 To change the air volume, use the arrow buttons and select 'USER MODE' from the menu.
4 Refer to the instruction manual to change settings.
5 Press 'ENTER' to confirm selection.
6 Press arrows for menu selection to modify other pre-set parameters.
7 Press 'ENTER' to reach the sub menu of the chosen parameter.
8 Refer to the instruction manual to change settings.
9 Press 'ON/OFF' switch at the end of sampling operations.
10 Press 'CLEAR' each time you need to end an action. The unit will then return to the initial configuration

Installation

Practical use of contact plates



1 Remove the aspirating head.
2 Insert an identified, closed and prepared plate and remove the plate lid.
3 Replace the aspirating head.
4 Select required air volume and start the unit. The airflow is directed onto the agar surface of the plate.
5 At the end of the cycle, remove the aspirating head.
6 Close and remove the plate.
7 Incubate.
8 Count the colonies, record the results on the microbiological air sampling report and read the results

START FOR XXX	This message indicates the air sampler is ready to sample the volume shown (XXX) after pressing the 'Start' button
USER MODE	Choose from 8 programmable sampling volumes
PROGRAM MODE	Modify the 8 programmable sampling volumes
DELAY MODE	Set a delayed start
UTILITY MODE	This leads to the following sub menu:
	SET TIME To adjust the date and time
	SET AUTOSWITCH To disconnect the automatic switch-off when the "Infrared Remote" is used
	DISPLAY RECORD To show the recorded sampling data
	CLEAR RECORD To clear the recorded sampling data
	LANGUAGE To display text in different languages
	IDENTIFY To identify the operator's name
	SAMPLING SITE To identify the sampling point

Preliminary inspection

The instrument is subject to specific quality tests before shipment and is carefully packed to avoid possible damage during transit. However, a visible check should be carried out as soon as possible to determine any damage. This must be reported immediately. The following procedures should be followed to check that the unit is working properly. The instrument battery pack must be charged for at least 4 hours before running the test. After the 'ON/OFF' button is pressed an automatic visual presentation will be displayed

Holder adjustment

Contact plate and Petri dish holders can be adjusted (using a screw driver) in case the available plate is slightly different in diameter from the standard 55 mm contact plate or 90 mm Petri dish.

Petri head adapter (optional)

An adapter is available in aluminium or stainless steel which allows the use of standard 90 mm Petri dishes with SAS for contact plates.

90 mm Petri dish filling

We recommend you fill the standard 90 mm disposable Petri dish with no more than 18 - 20 ml of agar to avoid the medium touching the inside surface of the aspirating head.

Tripod installation (optional)

The SAS SUPER IAQ can be fixed to a table, floor tripod or wall support. The screw thread connection is located under the unit, between the two front feet.

Functions

Software

Press the 'ON/OFF' switch (black button) to switch the unit on.

The 'ON/OFF' switch (black button) must be pushed twice to switch on the unit if the automatic switch-off timer was used previously.

Press 'CLEAR' at any time to return to the initial 'START FOR' main screen.

The air sampler is provided with eight programmable air volumes ('User Mode') selectable by the operator.

Volume selection is made by pressing the "▲" or "▼" arrows when the programme is in the relevant sub menu.

Suggested air volumes

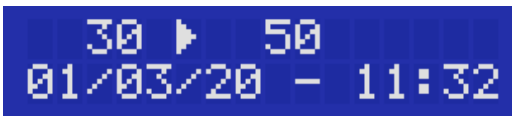
- Contaminated areas (communities, processing rooms, etc) 10 - 200 litres of air
- Normal areas (laboratory benches, houses, etc) 200 - 500 litres of air
- Sterile or high-risk areas (cleanrooms, operating theatres, etc) 500 - 1000 litres of air

Starting with the same air volume as the previous sample

Switch on the unit by pushing the main switch. You will then see the following display with the last aspirated volume of air:



Push the 'START' button to start a sampling cycle with the displayed volume of air



'USER MODE'

Up to eight additional volumes can be programmed into the unit. User-selectable volumes can be selected from the 'USER MODE', while the selectable volumes can be modified using the PROGRAM MODE' function described in the next paragraph.

Switch on the instrument and wait until the main screen is displayed:



Press the "Up" or "Down" arrows to reach the:



Press the 'ENTER' button, now you can scroll the eight user-defined sampling volumes.



Once the desired sampling volume has been reached press the 'ENTER' button to confirm.

Press the 'START' button to begin the sampling cycle:



There are a total of eight available '"USER MODE' programmes.

The maximum volume of air for each sampling cycle is 2000 litres.

'PROGRAM VOLUME' (modification of the value of a stored volume)

Using this procedure, it is possible to memorise up to eight different volumes (from 1 to 2000 litres of air). Switch on the instrument and wait until the main screen is displayed.

Press the "Up" or "Down" arrows to reach the



Press the 'ENTER' button, now you can scroll the eight user-selectable sampling volumes.

Select a volume by pressing the "UP" or "DOWN" arrows and then pressing 'ENTER' (value starts flashing):



Change the digit indicated by pressing the "UP" or "DOWN" arrows and presses OK to go to the next figure.

Repeat until you reach the last digit and then confirm by pressing OK.

Once the sampling volume has been set, press the 'ENTER' button to confirm.

The display will show the main screen with the last aspirated volume of air.

Delay mode

With this function it is possible to delay the beginning of the sampling cycle. If a delay has been selected, the sampling cycle will begin after the selected delay time.

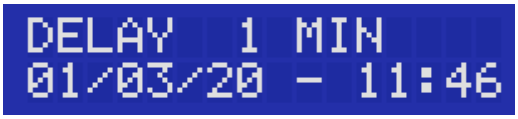
Switch on the instrument and wait until the main screen is displayed:



Press the "Up" or "Down" arrows to reach the:



Press the 'ENTER' button and the delay time is displayed:



Select the desired delay time using the "Up or "Down" arrows. The selectable delay values are 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55 or 60 minutes. Press the 'ENTER' button to confirm.

When a delay has been selected, after the "START" button has been pressed, a delay warning message will be displayed.



Utility mode

With this function it is possible to modify all the settings of the air sampler.

The 'UTILITY MODE' is divided into seven sub menus:

Set Time; Set Autoswitch; Display Record; Clear Record; Language; Identify; Sampling Site.

Always start from 'UTILITY MODE' to reach one of these sub menus.

Switch on the instrument and wait until the main screen is displayed:



Press the "Up" or "Down" arrows to reach the:



Press the '"ENTER' button, the first sub menu is then listed

Set time

This option is used to programme day, month, year and time of day.



Press 'ENTER' and the "Up" or "Down" arrows to change the month

Press 'ENTER' and the "Up" or "Down" arrows to change the day

Press 'ENTER' and the "Up" or "Down" arrows to change the year

Press 'ENTER' and the "Up" or "Down" arrows to change the hours

Press 'ENTER' and the "Up" or "Down" arrows to change the minutes

Press 'ENTER' to confirm and exit

Set autoswitch

To save battery consumption the SAS automatically switches off after 4 minutes. The 'SET AUTOSWITCH' option is used to enable or disable the automatic switch-off.

From the 'UTILITY MODE' select 'SET AUTOSWITCH':



Press 'ENTER' and the "Up" or "Down" arrows to change between the two options:





Select the desired options and press' ENTER' to confirm and exit.

This setting will be lost after the instrument is switched off.

DISPLAY RECORD

The last 99 samples are memorised in the file 'DISPLAY RECORD'. Each sample is identified in chronological order and shows the date, time, operator, site and volume of air sampled.

From the UTILITY MODE select 'DISPLAY RECORD'.



Press 'ENTER' to see the memorised values



In the placeholder symbolized by a red box the following symbols can be mentioned:

	Single head	Dual head
Error	X	X
Single run		l, r, b
Multi Cycle	*	L, R, B

The following parameters are recorded:

Progressive number; Month and Day; Time; Identification/Site; Sampling Volume.

If there is no data stored in memory the display will show:



CLEAR RECORDS'

This option is used to delete all the data memorised in the DISPLAY RECORD". Before starting this procedure, please be certain that existing data is not required or that it has been downloaded.

From the UTILITY MODE select 'CLEAR RECORD'.



Press 'ENTER' to delete all the stored data,

Press 'ENTER' to confirm the deletion of data or press CLEAR to exit the function.



The display will show the resetting status:



LANGUAGE

Menu text may be selected by choosing from different languages.

From the UTILITY MODE select 'LANGUAGE':



Press 'ENTER' to list all the available languages:



Use the "Up" or "Down" arrows to select the desired language and press 'ENTER' to confirm.

There are six available languages:

English, German, Spanish, French, Italian and Portuguese.

IDENTIFY

This option is used to identify the operator. This should be changed if different operators use the sampler and especially if the data is to be printed.

From the UTILITY MODE select 'IDENTIFY'.



Press 'ENTER' to modify identification code:



Select the desired character using the "Up" or "Down" arrows and confirm with 'ENTER'.

Select the next desired characters and confirm them by pressing 'ENTER'.

The selected values are stored in the memory and will be kept even after the instrument has been switched off.

SAMPLING SITE'

Site identification should be changed for samples taken at different sites, especially if the results are to be printed.

From the UTILITY MODE select 'SAMPLING SITE'.



Press 'ENTER' to modify:



Select the desired character using the "Up" or "Down" arrows and confirm with 'ENTER'. Select the next desired characters and confirm them by pressing 'ENTER'.

The selected values are stored in the memory and will be kept even after the instrument has been switched off.

List of system messages

Besides the messages described in the previous paragraph, the following messages can be displayed:

LOW BATTERY	Battery must be recharged
MOTOR ERROR	Motor not working or not connected
- OFF	The instrument is switching off

Colony Forming Unit correction factor

The number of organisms counted on the surface of the dish must first be corrected for the statistical possibility of multiples particles passing through the same hole. The statistical formula is taken from work by J. Maker.

Correction Tables are given for both the 55mm standard contact head and the 90mm Petri head. The probable count (Pr) is then used to calculate the number of CFU per cubic meter of air sampled.

Example of calculation of results

X=(Pr*1000)/V

Where:

V = Volume of sampled air = 200 litres of air

r (see table) = Colony Forming Units counted on "55 mm Contact Plates"= 67

Pr = Probable count obtained by table positive hole correction = 80

X = Colony Forming Units per 1000 litres (= 1 cubic meter) of air

So:

X=(80*1000)/200 400 CFU per 1000 litres of air (1000 litres=1m3)

To express the final result in CFU/ft3 multiply the CFU/m3 value by 0,02832

55mm contact plates - 90mm Petri Plates - 219 holes 1,00 mm

r	Pr	r	Pr	r	Pr	r	Pr	r	Pr	r	Pr
1	1	38	42	75	92	112	156	149	249	186	412
2	2	39	43	76	93	113	158	150	252	187	418
3	3	40	44	77	95	114	160	151	255	188	425
4	4	41	45	78	96	115	162	152	258	189	432
5	5	42	46	79	98	116	165	153	261	190	439
6	6	43	48	80	99	117	167	154	265	191	447
7	7	44	49	81	101	118	169	155	268	192	455
8	8	45	50	82	102	119	171	156	271	193	463
9	9	46	51	83	104	120	173	157	275	194	471
10	10	47	53	84	106	121	176	158	278	195	480
11	11	48	54	85	107	122	178	159	282	196	489
12	12	49	55	86	109	123	180	160	286	197	499
13	13	50	57	87	110	124	182	161	289	198	508
14	14	51	58	88	112	125	185	162	293	199	519
15	15	52	59	89	114	126	187	163	297	200	530
16	17	53	60	90	116	127	189	164	301	201	542
17	18	54	62	91	117	128	192	165	305	202	554
18	19	55	63	92	119	129	194	166	309	203	567
19	20	56	64	93	121	130	196	167	313	204	580
20	21	57	66	94	122	131	199	168	317	205	595
21	22	58	67	95	124	132	201	169	322	206	611
22	23	59	69	96	126	133	204	170	326	207	627
23	24	60	70	97	128	134	206	171	331	208	646
24	25	61	71	98	130	135	209	172	335	209	666
25	26	62	73	99	131	136	212	173	340	210	687
26	28	63	74	100	133	137	214	174	344	211	712
27	29	64	76	101	135	138	217	175	349	212	739
28	30	65	77	102	137	139	220	176	354	213	770
29	31	66	78	103	139	140	222	177	359	214	807
30	32	67	80	104	141	141	225	178	365	215	851
31	33	68	81	105	142	142	228	179	370	216	905
32	34	69	83	106	144	143	231	180	375	217	978
33	36	70	84	107	146	144	234	181	381	218	1088
34	37	71	86	108	148	145	237	182	387	219	1307
35	38	72	87	109	150	146	240	183	393		
36	39	73	88	110	152	147	243	184	399		
37	40	74	90	111	154	148	246	185	405		

55mm contact plates - 90mm Petri Plates - 401 holes 0,75 mm

r	Pr	r	Pr	r	Pr	r	Pr	r	Pr	r	Pr
1	1	41	43	81	90	121	144	161	206	201	278
2	2	42	44	82	92	122	145	162	207	202	280
3	3	43	45	83	93	123	147	163	209	203	282
4	4	44	47	84	E	124	148	164	211	204	284
5	5	45	48	85	95	125	150	165	212	205	287
6	6	46	49	86	97	126	151	166	214	206	289
7	7	47	50	87	98	127	152	167	216	207	291
8	8	48	51	88	99	128	154	168	217	208	293
9	9	49	52	89	100	129	155	169	219	209	295
10	10	50	53	90	102	130	157	170	221	210	297
11	11	51	54	91	103	131	158	171	223	211	299
12	12	52	56	92	104	132	160	172	224	212	301
13	13	53	57	93	106	133	161	173	226	213	303
14	14	54	58	94	107	134	163	174	228	214	305
15	15	55	59	95	108	135	164	175	230	215	307
16	16	56	60	96	110	136	166	176	231	216	310
17	17	57	61	97	111	137	167	177	233	217	312
18	18	58	63	98	112	138	169	178	235	218	314
19	19	59	64	99	114	139	170	179	237	219	316
20	20	60	65	100	115	140	172	180	239	220	318
21	22	61	66	101	116	141	173	181	240	221	321
22	23	62	67	102	118	142	175	182	242	222	323
23	24	63	68	103	119	143	177	183	244	223	325
24	25	64	70	104	120	144	178	184	246	224	327
25	26	65	71	105	122	145	180	185	248	225	330
26	27	66	72	106	123	146	181	186	250	226	332
27	28	67	73	107	124	147	183	187	251	227	334
28	29	68	74	108	126	148	184	188	253	228	336
29	30	69	76	109	127	149	186	189	255	229	339
30	31	70	77	110	128	150	188	190	257	230	341
31	32	71	78	111	130	151	189	191	259	231	343
32	33	72	79	112	131	152	191	192	261	232	346
33	34	73	80	113	133	153	192	193	263	233	348
34	35	74	82	114	134	154	194	194	265	234	351
35	37	75	83	115	135	155	196	195	267	235	353
36	38	76	84	116	137	156	197	196	269	236	355
37	39	77	85	117	138	157	199	197	271	237	358
38	40	78	87	118	140	158	201	198	272	238	360
39	41	79	88	119	141	159	202	199	274	239	363
40	42	80	89	120	142	160	204	200	276	240	365

Accessories

Description	Cat. No.
Spare parts	
Aluminium aspirating head for contact plates, Ø 55 mm	**710-0892**
Aluminium aspirating head for Petri dishes, Ø 90 mm	**710-0886**
SAS Super universal battery charger	**710-0993**
Remote control	**710-0962**
Soft carrying case	**710-0896**
Other aspirating heads for contact plates, Ø 55 mm	
Stainless steel aspirating head for contact plates, Ø 55 mm	**710-0880**
Sterile daily head for contact plates, Ø 55 mm	**710-0890**
Other aspirating heads for Petri dishes, Ø 90 mm	
Stainless steel aspirating head for Petri dishes, Ø 90 mm	**710-0878**
Sterile daily head for Petri dishes, Ø 90 mm	**710-0891**
Other accessories	
Aluminium carrying case	**710-0875**
Bio-Transport autoclavable carrying case	**113-8185**
Handle for Bio-Transport carrying case	**113-8186**
Floor tripod	**710-0889**
SAS-Holder table and wall stainless steel	**710-0963**
Adaptor* to convert contact plate model to accept 90 mm Petri dishes	**710-0882**
SAS stainless steel Petri head + adaptor	**710-0877**
SAS aluminium Petri head + adaptor	**710-0879**

Troubleshooting

Review the information in the table below to troubleshoot operating problems

Problem	Cause	Solution
Unit does not start	Battery is low	Recharge battery
	Battery charger is not working	Check battery charger and replace if required **(Cat. No. 710-0993)**
	Battery is too old	Check battery and replace if required
Battery discharges after few minutes working "LOW BATTERY" message	Battery is low	Recharge battery
	Battery charger is not working	Check battery charger and replace if required **(Cat. No. 710-0973)**
	Battery is too old	Check battery and eventually replace it
Infrared remote switch doesn't switch on the unit	Battery is low	Recharge battery
	Remote control battery is low	Replace infrared remote battery
Microbiological media is dehydrated after sampling	Media is corrupted	Check expiration date of media and if the agar was not dehydrated before sampling
	Sampling time is too long	Shorten the sampling time

Technical services

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 International 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 discretion 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 will become 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

his 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 handing it over to an authorised 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 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

avantor™ delivered by VWR™

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 Stříbrná Skalice
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 9
00380 Helsinki
Tel.: +358 9 80 45 51
Email: 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* (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 / NORTHERN IRELAND
VWR International Ltd / VWR
International (Northern Ireland) 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
VWR International ~
17, Daehak 4-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do
Tel.: +82 31 645 7256
saleskorea@avantorsciences.com

MIDDLE EAST & AFRICA
VWR International FZ-LLC
DSP Laboratory Complex
125, Floor 01
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 - Material de
Laboratório, Lda
Centro Empresarial de Alfragide
Rua da Indústria, nº 6
2610-088 Amadora
Tel.: +351 21 3600 770
Email: info.pt@vwr.com

SINGAPORE
VWR Singapore Pte Ltd
18 Gul Drive
Singapore 629468
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 18a
163 94 Stockholm
Tel.: +46 08 621 34 00
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

GO TO VWR.COM FOR THE LATEST NEWS, SPECIAL OFFERS AND DETAILS FROM YOUR LOCAL VWR SUPPORT TEAM

08/2021-SM-KS

ZPROVWR-34226-EN