

AirPort MD8 The New Portable Air Sampler



AirPort MD8 – Portable, Reliable, Fast.



AirPort MD8 is the new air sampler for the pharmaceutical industry, biotechnology, food and beverage industry, for hospitals, and for measurements within the scope of environmental protection and occupational safety.

Benefits offered by Sartorius AirPort MD8:

- Battery operated and portable so it can be used everywhere.
- Battery power level clearly indicated so constant performance during sampling is guaranteed.
- Ergonomically designed and easy to clean.
- User friendly prompting with the option of four languages: English, French, German and Spanish.
- Flexible options for customized use including adjustable air throughput and air flow rate.
- Parameters last used are stored even after automatic shut-off.
- Can be calibrated on-site.

Utilizes Gelatin Membrane Filter Method, allowing for reliable and accurate results.

The Gelatin Membrane Filter Method offers:

- High retention rate for microorganisms and viruses.
- Protection of microorganisms sampled from drying out – for a relevant and meaningful sampling time.
- Use of a variety of nutrient media.
- The solubility of the gelatin membrane filter allows further applications (e.g. rapid microbiology, virus sampling and sampling of high bacterial concentrations).

AirPort MD8 can also be used with BACTair™ culture media plates.



Technical Specifications | Ordering Information

AirPort MD8

Air flow control	by an integrated impeller wheel
Air flow rate adjustable in three steps	30 l/min., 40 l/min., 50 l/min. and 125 l/min. (only when BACTair™ culture media plates are used)
Pre-set sample volumes	25, 50, 100, 250, 500, 750 and 1000 liters

Table of correlation of sampling volumes | sampling times at the given air flow rates

Sampling volume in liters (l)	25 l	50 l	100 l	250 l	500 l	750 l	1000 l
Sampling time in seconds (s)							
at 30 l/min. flow rate	50 s	100 s	200 s	500 s	1000 s	1500 s	2000 s
at 40 l/min. flow rate	37.5 s	75 s	150 s	375 s	750 s	1125 s	1500 s
at 50 l/min. flow rate	30 s	60 s	120 s	300 s	600 s	900 s	1200 s
at 125 l/min. flow rate	12 s	24 s	48 s	120 s	240 s	360 s	480 s
Additionally user-definable sampling volumes	from 10 to 2000 liters in 5-liter increments						
Total sampling time with one battery charge	approx. 4.5 hours at 50 l/min., 4 hours at 125 l/min.						
Power consumption	5–14 Watt depending of filter pressure drop						
Noise level	for gelatin membrane filters 48 dB (A) max.						
Weight	approx. 2.5 kg						
Dimensions (L×W×H)	300×135×165 mm						
Certified for compliance with the CE requirements							

Battery

Rechargeable battery	NiMH 16.8 volts/3800 mAh
Battery charger	input 100–240 V 47–63 Hz/600 mA; output 24 V/1000 mA
Charging time of battery	approx. 4.5 hours when completely discharged
Battery charger	with changeable plugs for worldwide use

AirPort MD8 can be used during recharging⁴



Specifications of Gelatin Filter Disposables

Materials	gelatin (water soluble) and Cyrolite holder
Nominal pore size	3 µm
Filter diameter	80 mm for standard 90 mm agar plates
Limiting operating conditions	max. 30°C at 85% relative humidity
Retention of bacteria and viruses	99.9995% for Bac. sub. niger spores at 0.25 m/s inlet velocity 99.94% for phage T3 (coli phage) at 80% relative humidity and 0.3 m/s inlet velocity

Specifications of BACTair™ Culture Media Plates

Material	Polystyrene
Dimensions	116×24 mm
Number of impaction holes	400 holes, each Ø 0.47 mm
High particle retention for particles	> 0.65 µm

Ordering Information

Description	Order No.
Air sampler AirPort MD8 incl. adapter for gelatin filter disposables (17801) and battery charger (69898525)	16757

Accessories for AirPort MD8

(further accessories on request)

Adapter for gelatin filter disposables	17801
Adapter for BACTair™ culture media plates	17803
Filter holder	17655
Filter stack (10 filter holders)	17656
Battery charger	69898525

Gelatin filter disposables (sterile and individually packed)

Pack of 10 disposables (single packed)	17528-080-ACD
Pack of 10 disposables (triple packed)	17528-080-BZD
Pack of 10 disposables, but label on innermost bag	17528-080-VPD

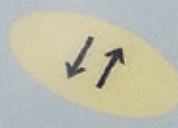
Gelatin disc filters for filter holder 17655

Pack of 50 filters (sterile)	12602-080 ALK
------------------------------	---------------

Culture media plates

BACTair™ culture media plate with TSA, 110 mm, sterile and individually packaged, 10 pcs.	14320-110----ACD
BACTair™ culture media plate with Sabouraud Agar, 110 mm, sterile and individually packaged, 10 pcs.	14321-110----ACD
Covers for BACTair™ culture media plates, 10×2 units individually, sterile packaged	1ZPX-D0002

Volume 1000L
F-rate 125L/min



Sales and Service Contacts

For further contacts, visit www.sartorius.com

Europe

Germany

Sartorius Lab Instruments GmbH & Co. KG
Weender Landstrasse 94-108
37075 Goettingen
Phone +49.551.308.0
Fax +49.551.308.3289

France & Suisse Romande

Sartorius France
2, rue Antoine Laurent de Lavoisier
ZA de la Gaudrée
91410 Dourdan
Phone +33.1.70.62.50.00
Fax +33.1.64.59.76.39

Austria

Sartorius Austria GmbH
Modecenterstrasse 22
1030 Vienna
Phone +43.1.7965760.0
Fax +43.1.7965760.24

Belgium

Sartorius Belgium N.V.
Leuvensesteenweg, 248/B
1800 Vilvoorde
Phone +32.2.756.06.71
Fax +32.2.253.45.95

Finland & Baltics

Sartorius Biohit Liquid Handling Oy
Laippatie 1
00880 Helsinki
Phone +358.9.755.951
Fax +358.9.755.95.200

Hungary

Sartorius Hungária Kft.
Kagyló u. 5.
2092 Budakeszi
Phone +3623.457.227
Fax +3623.457.147

Ireland

Sartorius Ireland Ltd.
Unit 41, The Business Centre
Stadium Business Park
Ballycoolin Road
Dublin 11
Phone +353.1.8089050
Fax +353.1.8089388

Italy

Sartorius Italy S.r.l.
Viale A. Casati, 4
20835 Muggiò (MB)
Phone +39.039.4659.1
Fax +39.039.4659.88

Netherlands

Sartorius Netherlands B.V.
Phone +31.30.60.53.001
Fax +31.30.60.52.917
info.netherlands@sartorius.com

Poland

Sartorius Poland sp.z o.o.
ul. Wrzesinska 70
62-025 Kostrzyn
Phone +48.61.6473830
Fax +48.61.6473839

Russian Federation

LLC "Sartorius ICR" and LLC "Biohit"
Uralskaya str. 4, Lit. B
199155, Saint-Petersburg
Phone +7.812.327.5.327
Fax +7.812.327.5.323

Spain & Portugal

Sartorius Spain, S.A.
Avda. de la Industria, 32
Edificio PAYMA
28108 Alcobendas (Madrid)
Phone Spain +34.902.123.367
Phone Portugal +351.800.855.800
Fax Spain +34.91.358.96.23
Fax Portugal +351.800.855.799

Switzerland

Sartorius Mechatronics Switzerland AG
Ringstrasse 24a
8317 Tagelswangen (ZH)
Phone +41.44.746.50.00
Fax +41.44.746.50.50

U.K.

Sartorius UK Ltd.
Longmead Business Centre
Blenheim Road, Epsom
Surrey KT19 9QQ
Phone +44.1372.737159
Fax +44.1372.726171

Ukraine

LLC "Biohit"
Post Box 440 "B"
01001 Kiev, Ukraine
Phone +380.44.411.4918
Fax +380.50.623.3162

America

USA

Sartorius Corporation
5 Orville Drive, Suite 200
Bohemia, NY 11716
Phone +1.631.254.4249
Toll-free +1.800.635.2906
Fax +1.631.254.4253

Argentina

Sartorius Argentina S.A.
Int. A. Ayalos 4251
B1605ECS Munro
Buenos Aires
Phone +54.11.4721.0505
Fax +54.11.4762.2333

Brazil

Sartorius do Brasil Ltda
Avenida Senador Vergueiro 2962
São Bernardo do Campo
CEP 09600-000 - SP - Brasil
Phone +55.11.4362.8900
Fax +55.11.4362.8901

Canada

Sartorius Canada Inc.
2179 Dunwin Drive #4
Mississauga, ON L5L 1X2
Phone +1.905.569.7977
Toll-Free +1.800.668.4234
Fax +1.905.569.7021

Mexico

Sartorius de México S.A. de C.V.
Circuito Circunvalación Poniente
No. 149
Ciudad Satélite
53100, Estado de México
México
Phone +52.5555.62.1102
Fax +52.5555.62.2942

Asia | Pacific

Australia

Sartorius Australia Pty. Ltd.
Unit 5, 7-11 Rodeo Drive
Dandenong South Vic 3175
Phone +61.3.8762.1800
Fax +61.3.8762.1828

China

Sartorius Scientific
Instruments (Beijing) Co., Ltd.
33 Yu An Road, Airport Industrial Park
Zone B,
Shunyi District, Beijing 101300,
P.R.China
Phone +86.10.8042.6300
Fax +86.10.8042.6486

Hong Kong

Sartorius Hong Kong Ltd.
Unit 1012, Lu Plaza
2 Wing Yip Street
Kwun Tong
Kowloon, Hong Kong
Phone +852.2774.2678
Fax +852.2766.3526

India

Sartorius Weighing India Pvt. Ltd.
#69/2-69/3, NH 48, Jakkasandra,
Nelamangala Tq
562 123 Bangalore, India
Phone +91.80.4350.5250
Fax +91.80.4350.5253

Japan

Sartorius Japan K.K.
4th Fl., Daiwa Shinagawa North Bldg.
8-11, Kita-Shinagawa 1-chome
Shinagawa-ku, Tokyo, 140-0001 Japan
Phone +81.3.3740.5408
Fax +81.3.3740.5406

Malaysia

Sartorius Malaysia Sdn. Bhd
Lot L3-E-3B, Enterprise 4
Technology Park Malaysia
Bukit Jalil
57000 Kuala Lumpur, Malaysia
Phone +60.3.8996.0622
Fax +60.3.8996.0755

Singapore

Sartorius Singapore Pte. Ltd
1 Science Park Road,
The Capricorn, #05-08A,
Singapore Science Park II
Singapore 117528
Phone +65.6872.3966
Fax +65.6778.2494

South Korea

Sartorius Korea Ltd.
8th Floor, Solid Space B/D,
PanGyoYeok-Ro 220, Bundang-Gu
SeongNam-Si, GyeongGi-Do, 463-400
Phone +82.31.622.5700
Fax +82.31.622.5799

Thailand

Sartorius (Thailand) Co. Ltd.
129 Rama 9 Road,
Huaykwang
Bangkok 10310
Phone +66.2643.8361-6
Fax +66.2643.8367



▶ www.sartorius.com



J.A. KING

PRECISION MEASUREMENT PROFESSIONALS

WWW.JAKING.COM

800.327.7727