

Airport MD8

Battery-powered Portable Air Sampler



제품 용도

- 제약, 생물산업, 식품 및 음료 산업, 병원의 환경 관리 및 작업현장의 안전성 확보를 위한 휴대용 부유균 측정기

관련 제품

- BACTair™ Plate (Tryptic Soy Agar, Sabouraud Agar)
- Gelatine Membrane Filter

제품 특징

- 휴대가 편리한 디자인으로 원하는 장소에서 손쉽게 공기포집
- 간단한 조작 방법
- 배터리 최대 충전 시 8시간동안 사용 가능
- IQOQ 가능



Technical Specifications

Airport MD8

Volume flow regulation	By an integrated impeller wheel
Volume flow adjustable	30 l/min., 40 l/min., 50 l/min. and 125 l/min
Fixed given sample volumes	25, 50, 100, 250, 500, 750 and 1,000 liters. In addition, the sample volume can be chosen manually in 5-liter steps
Operational life with one battery charge	Approx. 4.5 hours for 50 l/min
Noise level	For gelatine membrane filters 48 dB (A)
Weight [kg]	Approx. 2.5
Dimensions L x W x H [mm]	300 x 135 x 165

Power Supply

Battery	NiMH 16.8 Volt/3800 mAh
Battery charger input	100-240 V/47-63 Hz/600 mA
Battery charger output	24 V/1,000 mA
Charging time	Approx. 4.5 hours for empty battery

Ordering Information

Order No.	Description
16757	AirPort MD8 and battery charger (must order Gelatin Disposable or BACTair™ adapter separately)
17801	Adapter for gelatine disposables
17803	Adapter for BACTair™ plates

BACTair™

Culture Media Plates Agar



제품 특징

- 사전 충전 되어 개별 무균 포장
- 400개의 구멍이 있는 통합 형 (Sieve)
- 8분 내 1m³/h 가량 샘플 가능

제품 용도

- Tryptic Soy Agar 와 Sabouraud 두 가지 종류로 공급
- Airport MD8에 장착하여 사용하는 Agar Plate형 소모품 (요청에 따라 다른 종류의 배지 공급 가능)

Technical Specifications

BACTair™

Material	Polystyrene
Dimensions [mm]	116 x 24
Number of impaction holes	400 holes, Ø 0.47mm each
High retention of particles	> 0.65µm
Sterilization	Gamma irradiation

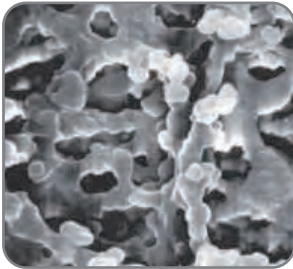


Ordering Information

Order No.	Determination of	Medium Type
14320-110-ACD	Total Count	Tryptic Soy Agar (TSA)
14321-110-ACD	Yeasts and molds	Sabouraud Agar (acc. USP)
17803	Adapter for BACTair™ on the AirPort MD8 air sampler	
1ZPX-D0002	Covers for BACTair™ Culture Media Plates, 10 x 2 units individually, sterile	

Gelatine Membrane Filter

Microbiological Air Monitoring by the Impaction Method



제품 특징

- BACTair™와는 달리 바이러스 포집 가능
- 개별 멸균 포장 된 Membrane
- 높은 Retention Rate (99%)
- 물에 완전히 용해되어 포집된 미생물 수와 관계 없이 배지 위에 필터를 직접 얹은 후 배양 가능

제품 용도

- MD8 Airscan 또는 Airport MD8에 장착하여 사용
- 공기 중 미생물 및 바이러스를 포집

Technical Specifications

Gelatine Membrane Filters

Gelatine filters	Water soluble, pore size 3µm, 80mm diameter, thickness approx. 250µm
Thermal resistance	Max. 60 °C
Air flow rate	Approx. 2.7 l/min./cm ² at p = 0.05 bar
Retention rates	1. Bac. subtilis niger spores 99.9995% at 0.25 m/s inlet velocity. 2. Coli phages: Phage T1, 99.9% at 0.3 m/s inlet velocity and 50% rel. air humidity. Phage T3, 99.94% at 0.3 m/s inlet velocity and 80% rel. humidity.
Filtration area	38.5cm ²
Conditions for use	Room temperature, max. 30 °C, max. air humidity 85%
Sterilization	Supplied pre-sterilized by gamma irradiation



Ordering Information

Order No.	Description
17528-80-ACD	Individually packed in 1 polyethylene bag each
17528-80-BZD	Individually packed in 3 polyethylene bags each
17528-80-VPD	Individually packed in 3 polyethylene bags each, but label on innermost bag
17801	Filter holder for Gelatin filters to MD8

Disposable Gelatine units, Sterile, pack of 10