

A SIMPLE BUT CLEVER IDEA FOR THE MICROBIOLOGIST OF QUALITY CONTROL PRODUCTION OR THE LABORATORY PEOPLE WORKING ON THE OPEN FIELD

SIMPLIFIED MICROBIAL AIR MONITORING TRIO.BAS MONO READY PLATE SYSTEM



The combination of the TRIO.BAS air sampler with BACTair culture plate, called TRIO.BAS MONO READY PLATE, simplifies the activity for the air monitoring.

This model of the TRIO.BAS air sampler has a customised aspirating head to be used in conjunction with the ready plate BACTair of Sartorius.

The sterile BACTair plate incorporates the culture medium and the plastic aspirating head.

The system simplifies the operator's activity because avoids the preparation and the sterilisation of the culture plate and the aspirating chamber of the sampler. It reduces the risk of contamination and false positive results during manipulation.

It is available with Tryptic Soy Agar (TSA) for Total Bacteria Count or Sabouraud Dextrose Agar (SDA) to detect moulds and yeast.

The people that are interested in this new practical opportunity are the Q.C. Laboratory of food, dairy, beverage industry, IVF clinic, HVAC building monitoring, health care ambient monitoring, operating theatre of hospital, hospital pharmacies.

TECHNICAL NOTE

TRIO.BAS MONO READY PLATE System TRIO.BAS MONO + BACTair™ disposable culture medium sterile plate complete with sterile chamber and aspirating head

- Avoids the use of the traditional Petri dish and the stainless steel aspirating head.
- Simplifies the operator's activity during the sampling phase.
- Strongly reduces the risk of contamination during manipulation.
- Micro-organisms are directly captured on the culture media plates, which works directly as an aspirating head.
- Avoids the preparation and the sterilization of the stainless steel aspirating head.
- Facilitates the activity on the open field.
- Available sterile aspirating chamber with TSA for Total Bacterial Count or Sabouraud Dextrose Agar for molds.



The “TRIO.BAS READY PLATE system” is ideal for:

- Operating theatre of Hospital to simplify the activity of surgery staff
- Healthcare ambient monitoring to facilitate the operator staff
- HVAC to avoid contamination risk during manipulation
- Agro-food, dairy, beverage, cosmetic field to facilitate the activity on the open field

DESCRIPTION

- Main customers are: pharmaceutical aseptic filling suites, cleanroom, biotech, IVF clinic, operating theatre, hospital pharmacies, blood banks, clinic, microbiological labs, HVAC building monitoring, environmental labs, healthcare ambient monitoring and health authorities.
- The data is transferred via Bluetooth from the air sampler to a smartphone or tablet (Android version) and then to a PC or laptop.
- Data may be transferred via cable, too. This is helpful for all companies that, due to internal policy, are not allowed to use Bluetooth option.
- It is possible to work either in manual or automatic mode.
- The sampler is IP65 certified.
- The battery is recharged by a power cable connected directly to the air sampler.
- The led on the left side of the visual display shows the sampling status according to different numbers of flashes (waiting delay time, sampling in progress, sampling pause).

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PERFORMANCE

Light weight, ergonomic and balanced design to facilitate handling with or without gloved hands



- Technopolymer shockproof body with antibacterial performances of surfaces
 - Compliant according to EN/ISO 14698-1, GMP and GLP
 - Selected volumes from 30 to 2.000 liters and 17 preset programs
 - Flow rate: 100 liters per minute
 - Battery charger via cable (110/240 volt)
 - Official calibration certificate
 - Operator/Administrator cascade passwords
 - May be used for compressed gas testing
- Stable on a work surface in a vertical position
 - Validated according to EN 17141
 - Auto calibration: power/flow electronic real time control
 - Power supply system: the instrument can work continuously by AC powered source 110/240 Volt 50/60 Hz or by rechargeable batteries
 - Cycles battery autonomy: 30.000 liters
 - P65 certified protection from dust and water
 - Language: English, French, German, Spanish, Italian
 - Manual and automatic passwords
 - Memorized data: up to 1.000 samples
 - Configuration users and places: 50
 - Delayed, remote, start sampling
 - Bluetooth connection or cable for data transfer
 - Automatic next calibration reminder
 - CE mark
 - Dimension: 33x16x15h cm
 - Weight: 1.440 gr
 - Built in ISO 9001 premises



IDENTIFICATION CODES

Code	TRIO.BAS MONO READY PLATE CABLEPACK (*)
215K	(*) Each pack consists of: TRIO.BAS MONO CABLE 100 l/m for BACTair™ plate with adapter or 200 l/m for Petri plates with Bluetooth and battery charger, 1 s/s aspirating head with cover head, 1 calibration certificate, data transfer cable, robustus carrying case
343	BACTair™ TSA Tryptic Soy Agar for total bacterial count – 400 holes 0,47 mm - gamma radiation – individually sterile packaged in PE bag - 10 per box
344	BACTair™ Sabouraud Dextrose Agar to detect yeast and molds – 400 holes 0,47 mm - gamma radiation - individually sterile packaged in PE bag - 10 per box
345	COVER BACT for plate - polystyrene – to cover the plate after sampling –sterile packaged - 20 per box

TECHNICAL NOTE

THE USE OF TRIO.BAS MONO READY PLATE SYSTEM



1 - TRIO.BAS MONO READY PLATE SYSTEM



2 - BACTair plate and TRIO.BAS MONO READY PLATE System



3 - BACTair from its sterile bag and TRIO.BAS MONO



4 - BACTair ready to be applied to TRIO.BAS MONO



5 - BACTair applied to the TRIO.BAS MONO



6 - TRIO.BAS MONO System ready for sampling



7. BACTair before air sampling



8. BACTair after incubation