

PBI LABORATORY GAZETTE



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A NEW PARTNER IN ENVIRONMENTAL MICROBIOLOGY (cod. 86279)



The very familiar "yellow SAS (Surface Air System)", produced by international pbi, is considered the international standard for portable air microbiological samplers. Over 25 years experience has been gained in five continents helping microbiologists in the pharmaceutical and food industry, hospital sector, aero-spatial, Indoor Air Quality and bio-terrorism fields. This knowledge has resulted in the development of the new "SAS-ISO 100" and "SAS-ISO 180" samplers. The "SAS-ISO" has several new added features like infrared transfer of sampling data to PC or printer, speed sensor, bi-directional port to input and output data to a central unit from 1 to 24 air samplers, calibration system by finger-tip control, automatic calibration reminder. The sampler

can be operated whilst attached to mains.

VIABLE MICROBIOLOGICAL CONTAMINANTS IN COMPRESSED AIR (cod. 39089)



"Pinocchio Super" is used to test the microbiological quality of compressed air and gas used in Clean Rooms according to ISO 8573/7.

"Pinocchio Super" collects air samples either on Contact Plates (diameter 55 or 84 mm) or Standard Petri Dishes (diameter 90 mm).

It collects more than 1000 litres of air/gas in a few minutes. The compact size provides the opportunity to locate the sampling unit where space is limited. The small size and the simple operation enable many operations to more accurately report air/gas quality and minimize false positives from operators.

The unit can be easily and aseptically connected to the desired points of sample. Calibration according to International Standard.

DOUBLE SIMULTANEOUS AIR SAMPLING (cod. 24584)



DUO SAS-SUPER 360 is a single body air sampler with two aspirating heads: two different media types can be used for simultaneous samples. 1000 litres of air can be sampled in less than 3 minutes. These are the revolutionary specifications of the new DUO SAS SUPER 360 microbiological air sampler produced by International Pbi.

Typical applications are:
clean rooms where contamination levels are minimal; environments that require a large volume of air to be sampled in a short time;

environments where the sample taken should be representative; environments in which simultaneous sampling of different micro-organisms is needed. The instrument may be supplied with I.Q., O.Q., P.Q. manuals. All sampling data are transferred to printer or P.C.

CONTAMINATION CONTROL IN ISOLATORS (cod. 43216; 43217)



"Super SAS Isolator" is the last born in the family of "SAS microbiological air Samplers" for critical air monitoring in isolator and barrier environments. It consists of a programmable unit which remains outside the controlled

area and an independent sampling head which uses RODAC Contact Plates or Standard disposable 90 mm Petri dishes.

"SAS Super Isolator" produced by International Pbi in Milan (Italy) can be placed anywhere into the isolator or barrier environment. Up to 1000 litres of air are sampled in ten or six minutes. It is fully programmable for air volume, delay, multiple cycles from outside the isolator.

Printed documentation according to sampling location, operation name, sampling parameters.

AIR SAMPLER ROUTINE MONITORING

(cod. 86666)



The performances of the air samplers should be regularly monitored according to the Good Laboratory Practice EN 17025. The new "PYRAMID" flowcheck, product by international pbi, is a new easy-to-use, battery operated system that is applied to calibrate all the air samplers of the "SAS" family.

This instrument is composed by two separate units, a fan and a flowmeter.

The perfect balanced fan has a special rubidium-made bearings that generates an electromagnetic field proportional to the fan speed. The flowmeter measures this electromagnetic field and then calculates the exact air flow that is passing through the fan.

The "Pyramid" flowcheck system displays the airflow either in litres per minutes (L) or cubic feet per minute (CF).

MICROBIOLOGICAL AIR SAMPLERS OFFICIAL CALIBRATION

(cod. 32879)



The verification that the volume of sampled air is correct is important to avoid calculation mistakes in monitoring the contamination of a closed environment.

Validation should be performed every 6-12 months to satisfy national and international regulatory bodies. Re-validation is also recommended if the air sampler has potentially been damaged or the flow rate has been compromised.

This operation is performed

using the "Politecnic" instrument by international pbi.

NEW STANDARD FOR AIR IN CLEAN ROOM

(cod. 86996)



All analytical material that is used for microbiological testing should be sterile and, according to the cGLP, a document of certification should prove that it has been correctly sterilized.

This rule is also valid for the aspiration head that is used with the microbiological air samplers. Each cycle of air sampling should use a documented sterile aspirating head.

The "Dispo-Head", a disposable aspirating head for microbiological air monitoring, has been developed and produced by international pbi to simplify the activity of the microbiologist.

The "Dispo Head", made in antistatic resin plastic, is triple packed, irradiated and complete of certification of sterilisation and conformity. It has a shelf-life of five years and it is suitable for any type of SAS Super air sampler that uses diameter 55 mm Contact Plates (RODAC).



The "SAS Super Network", produced by international pbi, is a complete system for performing sequential and or simultaneous microbiological air sampling with multiple "SAS ISO" units positioned at different locations within separate Clean Rooms.

All the air samplers (e.g.: 24 units) are independently programmed and controlled by an external PC.

Vacuum line connections are not necessary as control is via infrared communications. The use of disposable "Dispo-Head", sterility certified aspirating head, guarantees the aseptic conditions.

AGAR PLATES FOR ENVIRONMENTAL MONITORING

(cod. 17572 ...)



The microbiological control of the environment (air, surface, personal staff) has several purposes:

- to define the degree of microbiological contamination
- to confirm the effectiveness of the sanitification operations

- to apply the norms of Good Manufacturing Practice (GMP)

- to apply the HACCP principles

- to train the staff as regards the right sanitary procedures.

The "Agar-Contact" plates by international pbi are sterile, ready to use contact plates, with different type of media. They are delivered with the certificate of sterility and growth, they are stored at room temperature up to seven months, and have a full traceability (shelf life, batch and media type are listed on the bottom of the plate).

AIR SAMPLER FOR HYGIENIST

(cod. 37565)



The "SAS-IAQ" microbiological air sampler is the perfect solution for the Industrial Hygienist daily involved in "Sick Building Syndrome" (SBS) and "Heating Ventilation Air Conditioning" (HVAC), for Food Hygienist daily involved in the dairy, agro, food control, for Food Technologist in Hazard Analysis Critical Control Point (HACCP) application.

The "SAS-IAQ" microbial air sampler is light (only 1,400 grams), has a volume of aspirated air programmable from 1 to over 1,000 litres, it uses RODAC Contact plates or standard 90 mm Petri dishes, has an autonomy over 70.000 litres of air. It can be used on the field with sterile disposable aspirating heads.