

PBI LABORATORY GAZETTE

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A NEW PARTNER IN ENVIRONMENTAL MICROBIOLOGY



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.

MULTILOCATION CENTRE FOR AIR MONITORING IN CLEAN ROOM



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.

AIR SAMPLER ROUTINE MONITORING



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).

NEW STANDARD FOR AIR IN CLEAN ROOM



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).

SAS

• SAS SUPER ISO

YOUR PARTNER IN ENVIRONMENTAL MICROBIOLOGY



The very familiar “yellow SAS (Surface Air System)” 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 and indoor air quality fields. Experience has also been gained from space exploration as the SAS (Surface Air System) was used on board the International Space station.

This knowledge has resulted in the development of the new “SAS-ISO 100” and “SAS-ISO 180”.



SAS (Surface Air System) IN SPACE

SAS SUPER ISO
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