

*For the monitoring of Indoor Air Quality,
Clean Rooms and Bio-terrorism ...*

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

References of SAS - Surface Air System

FDA - 1987 Guideline on Sterile Drug Products by Aseptic Processing
ACGIH - Guideline for the Assessment of Bioaerosols in the Indoor Environment
ASTM - Draft Protocol - Committee D22.05.06
USP (United State Pharmacopelia) - chapter <1116> - Microbiological Evaluation of Clean Rooms and other Controlled Environments
EU Guide for GMP - Manufacture of Sterile Medicinal Products Control of Medicines and Inspection
ISO 14698-1

page 1 - © International PBI

SAS SUPER ISO:
86279 - 86834

Manufactured by INTERNATIONAL PBI, Milan, Italy - ISO Accredited

SAS SUPER ISO - Your partner in environmental microbiology.

The very familiar yellow SAS (Surface Air System) is considered the international standard for portable air microbiology 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 onboard the International Space Station. This knowledge has resulted in the development of the new SAS-ISO 100 and the SAS-ISO 180.

The design concept was

- To use a simple plate for air and surface sampling
- To have the additional flexibility of choice, either contact plates or petri dishes
- To apply GLP and GMP to air sampling operations
- To establish data on the microbial in selected environments
- To organise sequential sampling to obtain a more representative air sample under actual operating conditions.



The SAS-ISO has the following new features:

- Performance in compliance with ISO 14698-1
- Large LCD with illuminated touch panel
- All operator commands via touch keypad for easier cleaning
- Over 70,000 litres of air per 8 hours autonomy
- Infrared transfer of sampling data to PC or printer
- Up to 300 sampling cycles memorised
- USP chapter 1116 and 21-CFR 11 compliance
- Sampling rate accurately maintained by speed sensor - incorrect aspiration aborts the cycle
- Design avoids turbulence in uni-directional airflow and re-aspiration of tested air in accordance with ISO specifications
- Total traceability
- Bi directional port to input and output data to a central unit from 1 to 24 samplers
- Calibration system for finger tip control without opening the instrument
- Automatic calibration reminder
- Easy calibration monitoring with additional anemometer system
- Sampler can be operated whilst attached to mains power

Established features:

- Possibility to use 55 mm or 84 mm contact plates (RODAC) and standard disposable 90 mm petri dishes
- Interval sampling with fully programmable parameters for "in operation" monitoring
- Delay start of up to 60 minutes
- Infrared remote control option
- Certified aspirating head in aluminium or stainless steel
- Reduced sampling time - 6 or 10 minutes for 1000 litres of air
- Multiple language choice
- Suitability in isolator

DUAL HEAD PORTABLE MICROBIOLOGICAL AIR SAMPLER



The DUO SAS has a single body with two aspirating heads: two separate plates may be used for simultaneous sampling to differentiate micro-organisms (onto two different media) or onto the same media to calculate an average value and to obtain a more representative result

• DUO SAS SUPER 360



The SAS IAQ is a simple well known air sampler to be used by Industrial Hygienists for "SBS" (Sick Building Syndrome) and "HVAC" (Heating Ventilation Air Conditioning) studies and by Agro – Food – Dairy technologists for "HACCP" (Hazard Analysis Critical Control Point) applications

• SAS IAQ

A CHOICE OF MODELS FOR SPECIALIST APPLICATIONS



CRITICAL AIR MONITORING IN ISOLATOR AND BARRIER ENVIRONMENTS

The SAS ISOLATOR consists of a programmable unit which remains outside the controlled area and an independent sampling head which uses 55mm Contact plates (RODAC) or standard 90mm petri dishes

• SAS ISOLATOR



• PINOCCHIO SUPER II

"Pinocchio Super II" is a microbial impaction sampler to test the microbiological quality of compressed air and gases used in Clean Rooms.



• SAS PCR

The SAS-PCR air sampler has been specifically developed, patented and manufactured to collect pathogenic micro-organisms dispersed in the bioaerosol for "almost in real time" detection by molecular biology tests or traditional microbiological culture tests.

A wide range of accessories are available
to make your monitoring jobs easier.



Sales

*Service, Calibration
& NATA Certification*



ADELAB SCIENTIFIC

36 HOLLAND STREET
THEBARTON SA 5031
Phone: 08 8234 7955

Fax: 08 8234 7897

Email: info@adelab.com.au

Web: www.adelab.com.au

TESTRONICS PTY LTD

8 LEVENDALE AVENUE
MOOROOLBARK VIC 3138
Phone/fax: 03 9728 4662

Email: enquiry@testronics.com.au

Web: www.testronics.com.au