VWR® We Enable Science

pbi

SURFACE AIR SYSTEM (SAS) MONITORING INSTRUMENTS

A complete system for microbiological environmental monitoring

Instruments and plates for environmental control procedures of air and surfaces

ENVIRONMENTAL HEALTH AND AIR QUALITY

Many industries including pharmaceutical and food companies, hospitals, schools and workplaces in general need to determine the level of environmental microbial contamination. This helps provide protection for both product quality and the health of workers in accordance with International Standards (e.g. Pharmacopoeia, Good Manufacturing Practices and ISO) and guidelines.

Since the 1980's the SAS (Surface Air System) has been considered a reference instrument for portable air microbiological samplers.

- U.S. Pharmacopeia chapter 1116 describes the Surface Air System sampler as "Methodology and instrumentation for qualification of viable airborne microorganisms"
- International space agencies have been using the SAS system on board the orbital station for monitoring microbiological environment
- SAS instruments are used every day in the most important pharmaceutical industries all around the world

VWR IS ABLE TO OFFER CUSTOMERS A COMPLETE PACKAGE FOR MICROBIOLOGICAL SAMPLING OF SURFACES AND AIR:

- Air samplers for applications based on active air sampling, accommodating one or two plates with culture medium
- Ready to use contact plates or Petri dishes, for sampling surfaces or air in combination with specific SAS instruments
- Contact-Weight standardises microbiological control of surfaces with contact plates

SAS

A FLEXIBLE SYSTEM

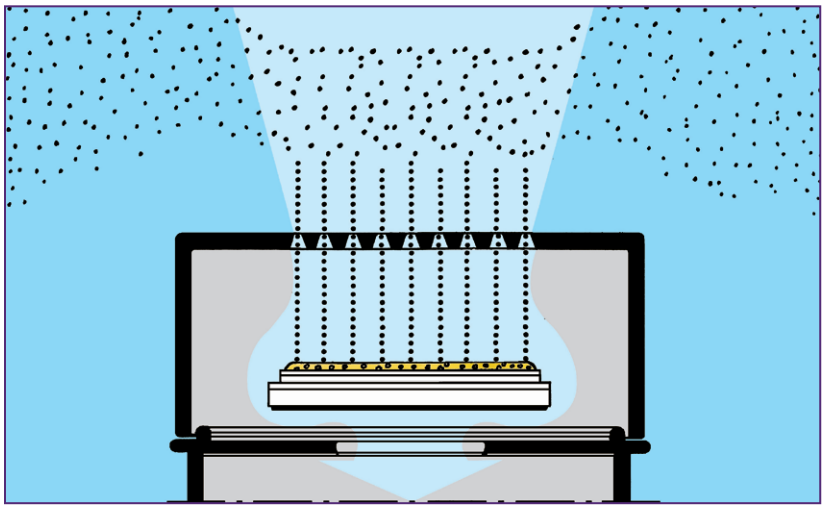
Specific models are designed to be used in cleanrooms classified according to ISO 14644-1, other instruments are available for open areas not classified by HACCP controls, for SBS (Sick Building Syndrome) investigations or for the control of air conditioning HVAC (Heating Ventilation Air Conditioning).

A dedicated range of VWR media for environmental control is available in ready to use Petri dishes or contact plates for the implementation of microbiological monitoring of surface and air control in any environment. Empty or ready to use Petri dishes and contact plates are packed appropriately for classified, controlled, ambient or occasional samples in different environments offering a cost effective sampling programme.

AN OPEN SYSTEM

The same instrument can be used with standard 55 mm contact plates or with traditional 90 mm Petri dishes using simple accessories. Specific models only for Petri dishes or contact plates are also available.

- Use the same kind of contact plate for air and surface sampling
- Applicable to cGLP and cGMP air sampling operations
- Appropriate for establishing data on a microbial level in selected environments
- Organise sequential sampling to obtain a more representative air sample under actual operating conditions



SAS SUPER PINOCCHIO II

The microbiological air sampler created to test the microbiological quality of compressed air and gases used in cleanrooms.

A compressed air source is connected to the SAS Super Pinocchio Super II system and the flow meter regulates the required flow rate, e.g.: 100 l of air/min. The sampling period is timed to obtain the required total sample volume, e.g. 1000 l.

TYPICAL APPLICATIONS

SAS Super Pinocchio II has been created for the microbiological control of air and other compressed gases used in the pharmaceutical and food industries plus other critical fields. The compressed gas is connected directly to the instrument.

PERFORMANCE

- Autoclavable
- Calibrated according to International Standards
- IQ OQ PQ validation protocols available
- Standard Operating Procedure (SOP) available
- Unit requires no power and is fully transportable
- Can collect air samples either on contact plates or standard 90 mm Petri dishes

SAS Super Pinocchio II with carrying case	Cat. No.
SAS Super Pinocchio II for contact plates	710-0949
SAS Super Pinocchio II for Petri dishes	710-0950
SAS Super Pinocchio II for contact plates with calibrated flow meter	710-0951
SAS Super Pinocchio II for Petri dishes with calibrated flow meter	710-0955

Accessories	Cat. No.
IQ, OQ, PQ manual for SAS Super Pinocchio II	710-0976
Validated Pinocchio flow meter	710-0965

710-0972
Pinocchio carrying case included