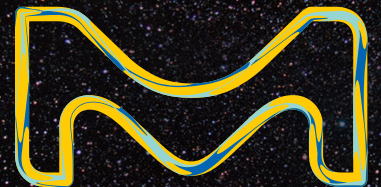




MERCK

Air is SIRIUS BUSINESS

The stellar features of the MAS-100 Sirius®
Microbial Air Sampler will make you work
smarter and safer



The Life Science business
of Merck operates as
MilliporeSigma in the
U.S. and Canada.

Millipore®

Preparation, Separation,
Filtration & Monitoring Products

setting standards in active air monitoring

The new MAS-100 Sirius® Microbial Air Sampler is built on decades of engineering expertise, microbiological experience, regulatory knowledge and interaction with customers. By combining proven performance, refined data handling and smart features, it makes viable air sampling in high-grade cleanrooms more convenient and reliable than ever before. Experience the future of air monitoring today—you'll never again want to do without the exceptional features of the MAS-100 Sirius® Microbial Air Sampler.

Convenience and Ease of Use

Reliability and Error Prevention

Regulatory Compliance



The right culture media

Discover our range of settle plates, all compatible with the MAS-100 Sirius® Microbial Air Sampler.

[SigmaAldrich.com/settle-plates](https://www.sigmaldrich.com/settle-plates)

Air flow rate options

Choose between 100 and 200 L/min. The higher flow rate reduces sampling time by 50% at comparable efficiency.

Stainless steel housing

Easy to clean and disinfect, designed to minimize dirt traps.

Size-adaptable plate holder

Adjust without tools to fit a broad range of agar plate formats from 55 to 90 mm.

Magnetic lid closure

Aseptically close and open the perforated lid via handle, no twisting needed.

Customizable touchscreen

Modify settings to best suit your workflow. Operate even when wearing gloves.

Readily equipped for a digital QC lab

The MAS-100 Sirius® Microbial Air Sampler offers various Wi-Fi connectivity options and a result barcode feature for secure and seamless data transfer into a LIMS or EM software. An optional Wi-Fi dongle allows the sampler to be integrated into your internal Wi-Fi environment.



Visit our website:
[SigmaAldrich.com/sirius](https://www.sigmaldrich.com/sirius)

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AIR. NOTHING ELSE.

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To minimize the risk of human errors and ensure reliable results, we have equipped the MAS-100 Sirius® Microbial Air Sampler with many smart features and properties. Its robust housing is compatible with a broad range of sanitizers. The inner air duct can be decontaminated with vaporized hydrogen even while the blower operates. The HEPA exhaust filter avoids cross-contamination when transferring the instrument from a lower to a higher grade cleanroom.

An integrated dual mass flow sensor system regulates the air flow rate to ensure consistency and accuracy, while leak tests ascertain that the perforated lid is tightly closed. In combination, they give an early warning in case of possible out-of-specification flow rates. To reduce the risk of handling errors, the MAS-100 Sirius® Air Sampler uses smart self-checks that warn the operator if, for example, the HEPA filter or the right lid type is not in place.

The MAS-100 Sirius® Microbial Air Sampler was developed with regulatory compliance in mind, making it as easy as possible to fulfill the regulatory requirements for your GMP-compliant environment and thus avoid issues at inspections. It has been validated for optimized physical and biological sampling efficiency. At both 100 and 200 liters per minute, the sampler ensures accurate flow rates as required by international standards, calibrated in an ISO 17025 accredited lab.

Automated calibration of the timer is assured by connection to a Network Time Protocol (NTP) server, which contributes to maintaining accurate flow rates. The MAS-100 Sirius® Air Sampler's 21 CFR Part 11 compliant software, managed via a web browser, supports data integrity, data tracking, individual user roles and logins.



Request a demo or quote
SigmaAldrich.com/sirius-contact

Convenience and Ease of Use
 Reliability and Error Prevention
Regulatory Compliance



Dual flow sensors and leak tests

Prevent OOS flow rates going unnoticed between scheduled calibrations.



Consistent air flow rate

Ensure flow rate and timer accuracy, the main calibration requirements for qualified air samplers.



Validated sampling efficiency

Avoid issues at inspections—the instrument's sampling efficiency has been independently validated.

21 CFR Part 11 compliant software

Fulfill all data integrity requirements in your digitalized workflow environment.

Millipore®

Preparation, Separation,
Filtration & Monitoring Products

Merck KGaA
Frankfurter Strasse 250
64293 Darmstadt, Germany

SigmaAldrich.com

Our Experts at Your Service

In our long history of serving the pharmaceutical industry by pioneering and refining groundbreaking solutions, we have gained the regulatory and technological expertise to offer a comprehensive range of professional, best-in-class services supporting all instrument usage stages:



During instrument evaluation phase

Training services

- Our services offering: Face to face or remote Environmental Monitoring Schools
- Your benefits: Understand best practices in environmental monitoring through educational sessions and interactive workshops



During instrument implementation phase

Step 1: Hardware validation

- Our services offering: Digital validation protocols using our Val@M™ application, IQ/OQ execution service at your site, remote IQ/OQ consulting services, and functional test for airborne PQ service at your site
- Your benefits: Reduce the time and cost of validation, ensure regulatory compliance and auditability

Step 2: Training services

- Our services offering: Advanced Operator Trainings at your site
- Your benefits: Ensure your lab team can get the best out of your equipment thanks to a comprehensive hands-on session



During instrument routine use

- Our services offering: Periodical maintenance service plans and requalification services either in our local repair center or at your site
- Your benefits: Maintain your equipment's optimal operation, ensure regulatory compliance and auditability



For more information, visit our website and check our datasheet about our full range of services supporting MAS-100® instruments for active air monitoring:

SigmaAldrich.com/Microbio-Services-Method-Validation

We have built a unique collection of life science brands with unrivalled experience in supporting your scientific advancements.

Millipore® Sigma-Aldrich® Supelco® Milli-Q® SAFC® BioReliance®

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