Advanced in vitro exposure systems







Did you know about FAT and SAT?

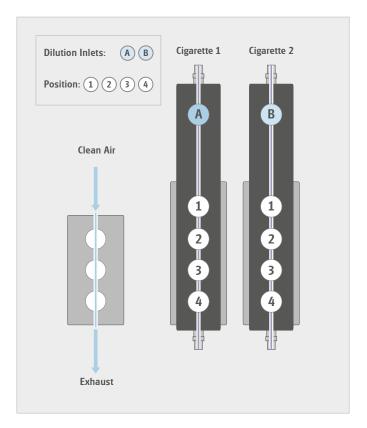
Explore VITROCELL's commitment to best acceptance test practices!

At VITROCELL®, we are committed to delivering not just exceptional product quality and reliability but also an outstanding customer experience. This is achieved through rigorous performance testing of our products. Our pursuit of customer satisfaction extends beyond the delivery of top-quality products; it includes ensuring their reliability through comprehensive testing, all within the framework of our ISO 9001 certified Quality Management System.

We enable you to request detailed Factory Acceptance Tests (FAT), where equipment is tested at the manufacturing site to ensure it meets all specifications before shipping, and Site Acceptance Tests (SAT), which verify the equipment operates correctly in its final installation location, reflecting our commitment to transparency and quality. This ensures both preshipment quality and operational reliability at your site, highlighting the performance of initial validation and final operational testing.

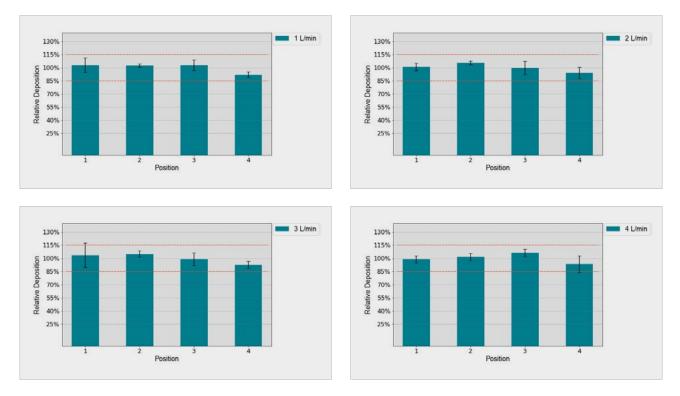
Graphical Data Description

The following charts represent data on the distribution of relative deposition at different positions and dilution flow rates (1 L/min, 2 L/min, 3 L/min, 4 L/min) in our VITROCELL[®] Exposure Modules with a 12-well inlet setup. This data underscores our product's capability to deliver a consistent distribution of aerosol.

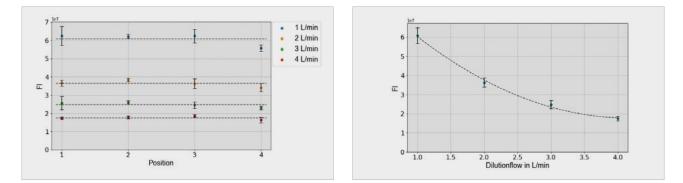


Experimental setup and applied dilution flows.





Charts show aerosol distribution in VC 6 Exposure Modules under different dilutions, error bars display standard deviation.



Fluorescence Intensity measurement (FI) proves uniformity of distribution independent of flow (left) for an exposure module, as well as its correlation to concentration of deposited smoke compounds (right). Error bars depict low variance between experiments (n=3).

As FAT and SAT play pivotal roles in our quality assurance process we leverage high-tech tools, including lasersupported distance measurement. These tests ensure that our equipment is ready for real-world application, meeting both our rigorous internal standards and your specific requirements.

Laser-supported distance measurement. >





About VITROCELL®

VITROCELL® exclusively concentrates on the developing, producing, installing, training and servicing of advanced *in vitro* exposure systems.

The VITROCELL® Systems' team is driven by their vision for new in-vitro standards through state-of-the-art technology, highly qualified workmanship and absolute client dedication. VITROCELL® has successfully collaborated with clients from leading research institutes, contract research organizations, regulatory authorities or industrial laboratories across the world. Working with our team experts, all modules have been tailored to create durable and complete turnkey-systems for *in vitro* inhalation toxicology. Gases, environmental atmospheres, nano particles and complex mixtures are analyzed on lung cells at the air/liquid interface using these systems. VITROCELL® technologies are also applicable to solutions for skin research.

Over a decade of devotion to research in this specific field has given our team of design & precision manufacturing specialists the opportunity to mentor highly diversified and complex projects from conception to completion. We strive to become a constructive member of each research team, providing support when it is needed, advice when it is required and modules of the highest quality, which are even polished by hand before leaving here to be integrated into your workspace. Every piece of our German engineered equipment is manufactured to the highest of standards – yours.

For more information please scan the QR-Code:



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