

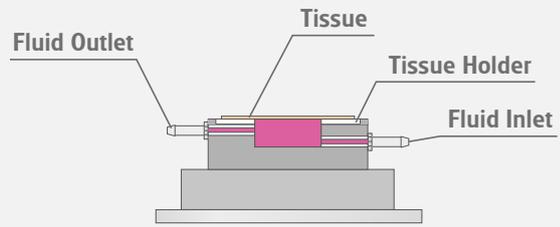
Advanced in vitro exposure systems

VITROCELL® Skin Aerosol Max



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For the exposure of tissue to aerosols and gaseous compounds



Exposure Surface: 4,9 cm²
Receptor Fluid Volume: 4,0 ml

The VITROCELL® Aerosol Max module is a unique system with 8 chambers for tissue to aerosols and gaseous compounds. The base module and covers are made of high-quality stainless steel. This module is a superior alternative to Franz cells.

The Aerosol Max module is used for samples with surface of approx. 4.9 cm².

8 single Aerosol Exposure Tops

The aerosol inlet stream flows through specifically shaped inlets. Aerosol inlets are connected to the VITROCELL® distribution or dilution systems. VITROCELL® calibration valves, which are connected to a vacuum pump, control flow rates over the issue effectively. The aerosol exposure tops feature an in/outlet for heating the water circuit, ensuring corresponding temperatures with the base module.

For automation of the sampling process please refer to the VITROCELL® Skin Autosampler.



Base module incl. covers, 8 magnetic stirrers, stirrer control unit and water bath.



Skin Max Module Compartment

The standard volume for receptor fluid is 4 ml. The receptor fluid can be manually or automatically sampled by means of the VITROCELL® Skin Autosampler.



Skin Aerosol Max with 8 individual Aerosol Exposure Tops and their respective holders on the rack.

Features

- Aerosol Exposure Tops
- Durable and long lasting design
- Permanent or static fluid supply
- Integrated water bath heating circuit
- Suitable for various tissue thicknesses
- Tissue diameter: 50 mm
- Tissue exposure surface diameter: 25 mm
- Option: magnetic stirrers



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.

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