

Advanced in vitro exposure systems

VITROCELL® Rack Systems



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For tidy and safe installation of components

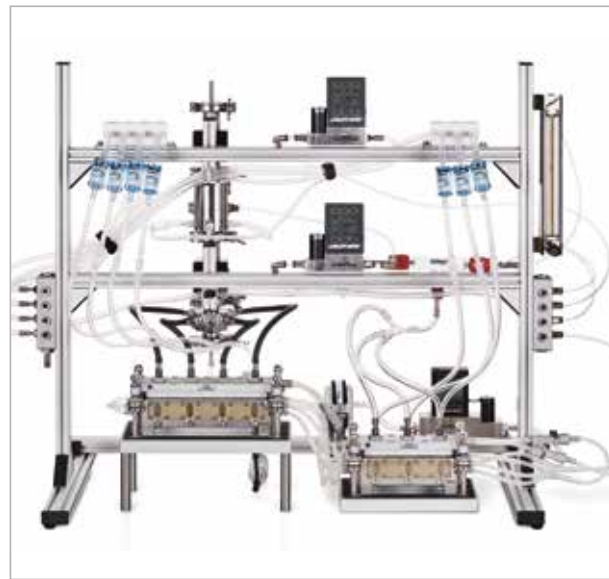
Designed specifically for user-friendly and easy handling: all components such as modules, dilution and distribution systems and flow calibration valves have their dedicated space on VITROCELL® Racks.

The rack systems are made of anodized aluminium and specifically designed holders. They are suitable for the VITROCELL® 6, 12 and AMES module family.

Rack for 2 modules



Rack with HD Distribution System and optional inline Humidifiers



Rack with Isokinetic Distribution System

Features

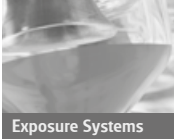
- 1 complete rack for 2 modules
- Holders for HD Distribution System
- Suitable for low aerosol generator flow rates
- Ready mounted tubing system
- Possibility to integrate inline humidifiers
- Including holders for valves

Features

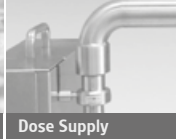
- 1 complete rack for 2 modules
- Holders for Isokinetic Distribution System
- Suitable for higher aerosol generator flow rates up to 16,7 l/min.
- Ready mounted tubing system
- Including holders for valves

Content of delivery

- Base plate with spirit-level
- Holders for valves, distribution and dilution systems, rotameter and flow controllers



Exposure Systems



Dose Supply



Dilution



Racks & Carts



Dose Monitoring



Skin Exposure



Auxiliary Equipment

Rack for up to 5 modules

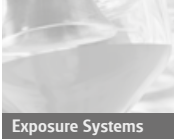


Features

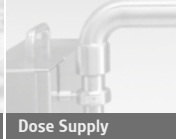
- 1 complete rack for up to 5 modules
- Ready mounted, tubing system
- Including valves and all water quick connectors

Content of delivery

- Base plate with spirit-level
- Holders for distributors and dilution systems
- Distributors for water circuit
- VITROCELL® vacuum flow calibration valves
- Holders for VITROCELL® modules
- Lifting mechanism for easy handling



Exposure Systems



Dose Supply



Dilution



Racks & Carts



Dose Monitoring



Skin Exposure



Auxiliary Equipment

Rack for up to 7 modules



Content of delivery

- Base plate with spirit-level
- Holders for distributors and dilution systems
- Distributors for water circuit
- VITROCELL® vacuum flow calibration valves
- Holders for VITROCELL® modules
- Lifting mechanism for easy handling

Features

- 1 complete rack for up to 7 modules
- Ready mounted, tubing system
- Including valves and all water quick connectors

Ames Rack

For optimal ease of handling

The rack features the unique track system for the base module.

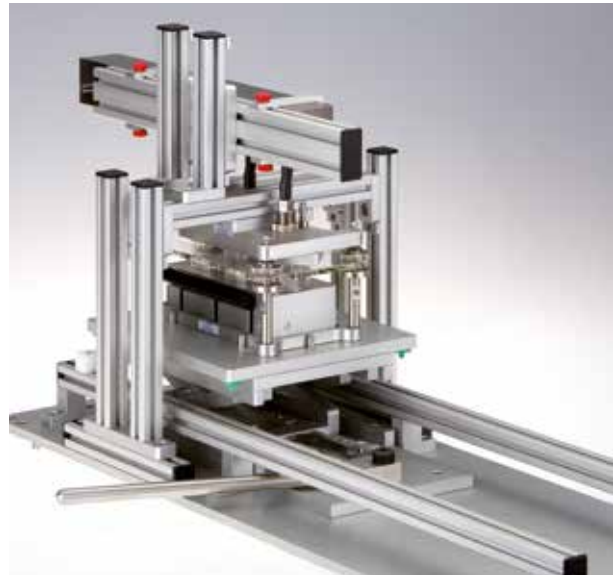
First, the module is loaded with the Petri dishes.

The operator then slides the base module on the track to the connecting position. The aerosol exposure top is already mounted in a fixed position, with all tubing and connections to the dilution system in place.

By moving the manual lever, the base module is connected via the lifting device to the aerosol exposure top.

After completion of the exposure, the module is disconnected again by lowering the lifting device. The removal of the Petri dishes can be easily performed by sliding the module back to the loading position.

Then the module is ready again for the next exposure.



Content of delivery

- Base plate
- Holders for distributors and dilution system
- 1 valves for test gas or clean air
- 1 VITROCELL® AMES module holder on track system
- 3 VITROCELL® vacuum flow calibration valves
- Lifting device and locking unit

Feature

- Easy handling

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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