

Advanced in vitro exposure systems

VITROCELL® Clean Air Purification Station



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For clean air control supply, dilution systems and aerosol generators

The VITROCELL® Clean Air Purification Station is recommended when the air quality of a central air supply system or of a lab compressor contains oil or particles which may influence the test results.

An indication of impurities in the system and thus the need for an improvement of the air quality is evident if the cell viability drops substantially in the clean air exposure modules.



Components of the station:

- 1 | Pressure regulator
- 2 | Pre-Filter with condensate trapping
 - Filter unit 5 μm
 - Manual Condensate Drain
- 3 | Membrane Dryer
- 4 | Activated Carbon Filter
 - Reduction of oil mist content $<0,003 \text{ mg/m}^3$
- 5 | Fine Filter
 - Retention rate 99,9999 % (0,01 μm)



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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