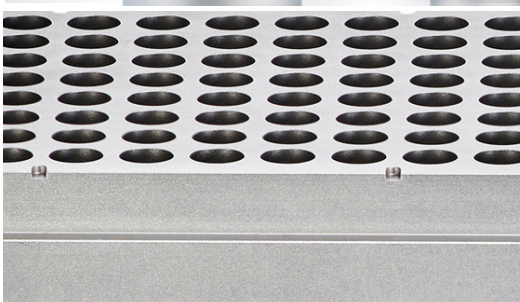


# Advanced in vitro exposure systems



Liquid  
Trapping

# Liquid Trapping

## Stainless Steel Inserts



**Liquid trapping of aerosol constituents, whether particles or gases, is one of the most established methods to determine the delivered dose. It is an easy and hands-on approach to dosimetry, and can be used in every VITROCELL® exposition system. So maybe this is all you really want?**

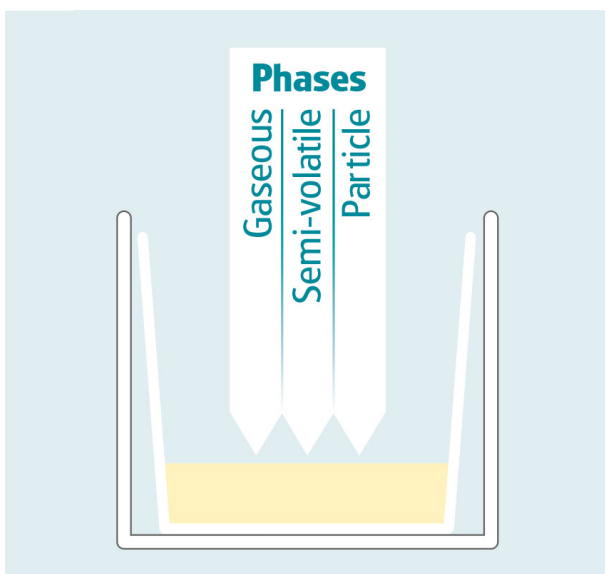
The inserts come in every size there is, from 6-well up to 96-well. Typical trapping fluids are water, phosphate-buffered saline (PBS) or dimethyl sulfoxide (DMSO). After exposition, different types of subsequent chemical or spectrometric analysis can be performed on the collected sample.

Additionally, VITROCELL® offers Kits for fluorescence spectrometry or Free Glycerol evaluation.

**Kits for fluorescence spectrometry or free glycerol evaluation**



**Suitable for whole aerosol dosimetry**



### Features:

- whole aerosol trapping (solid, semi-volatile, and gaseous)
- direct comparability to deposition on cellular systems due to identical geometry and deposition mechanisms
- suitable for all exposure principles used by VITROCELL®
- available in all sizes (6-well ... 96-well), even as plate
- autoclavable for re-usage (stainless steel)

## 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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