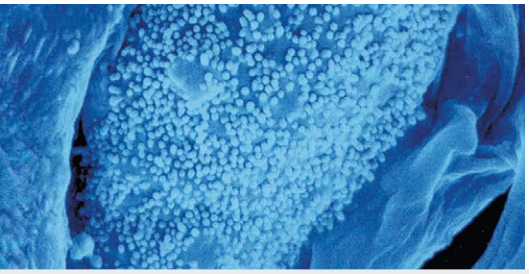
Advanced in vitro exposure systems

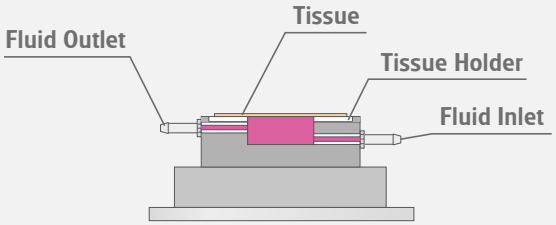
VITROCELL® Skin Max



VITROCELL® SYSTEMS

VITROCELL® Skin Max

For the exposure of tissue to compounds



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

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

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

Skin Max module illustration
The Skin module is used for samples with smaller surface of approx. 4.9 cm². The skin samples are fixed in the specifically designed skin holders for a tight separation between the exposure side and the receptor fluid. Alternatively, cell culture inserts may be used.

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

Skin Max Module Cover Fixation Bracket
The skin sample can be fixed using specific fixation brackets. The cover domes ensure a reduction in evaporation.

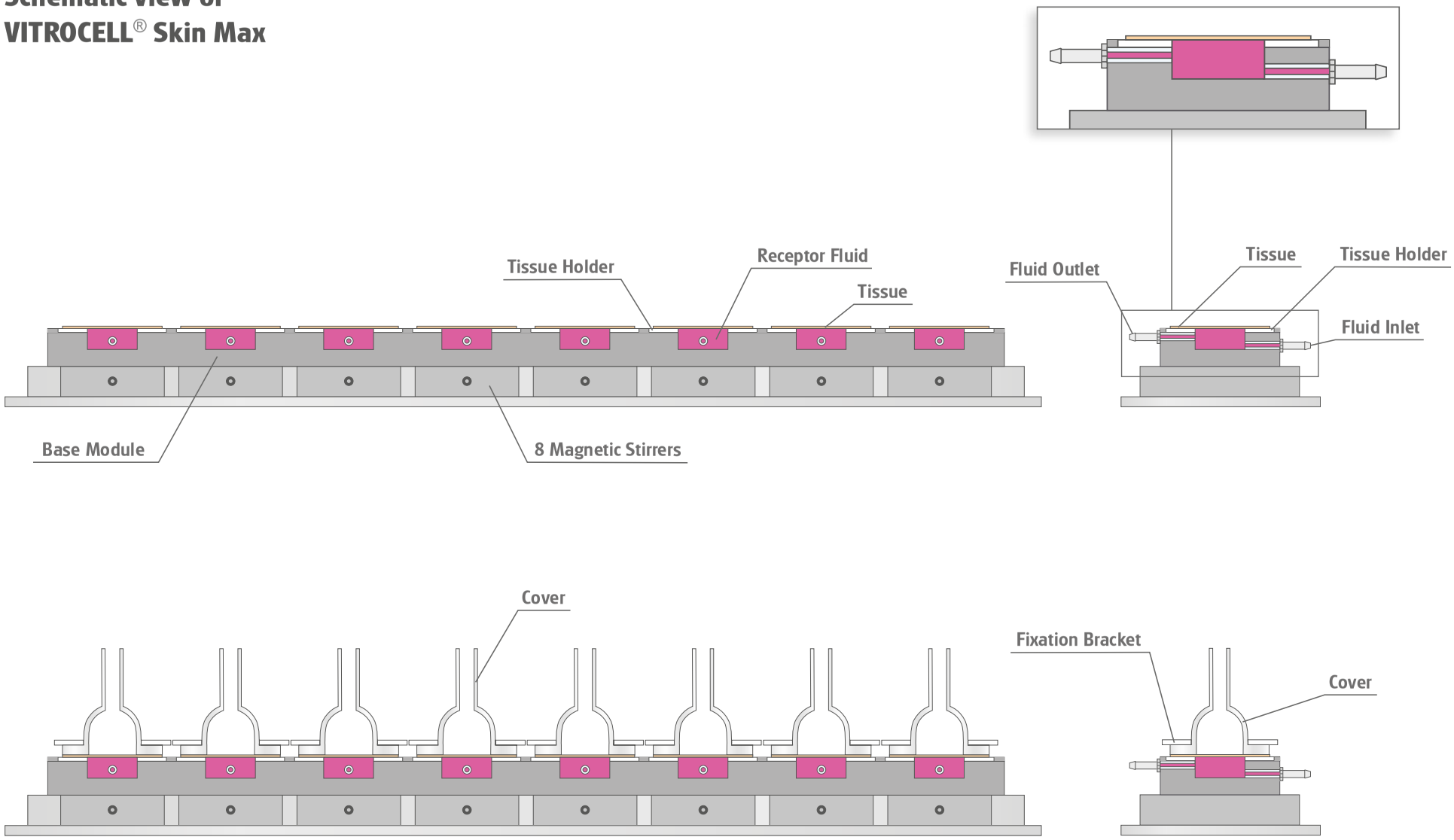
Skin Max Module Compartment
The standard volume for receptor fluid is 4 ml. The receptor fluid can be manually or automatically sampled by means of the VITROCELL® Skin Autosampler.

The receptor fluid can be sampled by using practical quarter-turn valves.

Features

- **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**

Schematic view of VITROCELL® Skin Max



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.

VITROCELL® Systems GmbH
Fabrik Sonntag 3
79183 Waldkirch
Germany

Tel. +49 7681 497 79-50
Fax +49 7681 497 79-79
Email: info@vitrocell.com
www.vitrocell.com

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