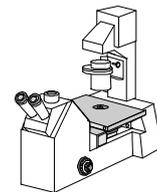


ROC-Chamber-System (Round - Open - Closed)

Stock No. 0728.000



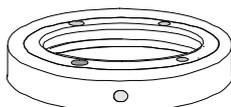
A system for —

- all microscopic techniques
- cultivation of cells and tissue
- still and motion photography
- "Open" perfusion and "Open" and "Closed" cultivation
- base plate, dimension: Ø 50 mm, height 6 mm

See application fields of the POC-Chamber-System.

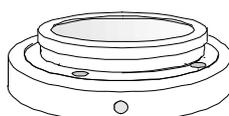
The ROC-Chamber-System provides 4 different applications

"Closed" cultivation



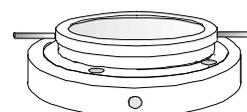
cultivation area: 8.03 cm²
volume: 0.66 - 1.32 ml

"Open" cultivation



cultivation area: open version 6.6 cm²
volume: up to 2.5 ml

"Open" perfusion A and B

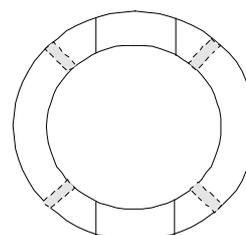


- * All accessories of the POC-Chamber can be employed with the ROC-Chamber, except for the "closed" perfusion (see list).
- * In the case of closed version, no disturbing meniscus is available at the liquid surface. It is suitable for use of high-resolution objectives, still and motion photography e.g..
- * The open version allows a rapid change of medium, subcultivation of cells, test of substances, preparation for electron microscopy, histochemical methods, Ca⁺⁺ measurements, micromanipulation e.g..
- * The "Open" perfusion offers continuous supply of the required substances to the cells and a removal of cell products, toxins e.g.. It allows a rapid entrance to the cultivation surface and therefore a rapid or a slow medium exchange.
- * The cells can also be cultivated on glass (cover glass, Ø 42x 0.17 mm) or in the case of "Open" cultivation on a crystal-clear FEP-foil (CultFoil, Ø 42 x 0.025 mm), too.
- * The base plate and the screw ring are made of stainless steel. Other materials which come in contact with the cells are non-toxic (glass, silicone, Teflon[®]).
- * The whole chamber or parts of the chamber can be sterilized by dry heat at 165 - 170 °C for 2 hrs or autoclaved at 121 °C.
- * Cells can be precultivated on glass cover slips (Ø 42 mm in Ø 50 - 60 mm Petri dishes) and then transferred into the ROC-Chamber under sterile conditions (Laminar Air Flow).

Accessories:

A **specific adapter** can be employed for a sufficient fixing of the ROC-Chamber in the Heating Insert P or in the Heating Frame and Heating- Cooling Frame of the POC-Chamber-System.

0728.002



Adapter for the ROC-Chamber
in the Heating Insert P

The ROC-Chamber can be tempered, without an additional adapter in the Heating Universal Mounting Frame M-H, K-H and A-H.

Heating Universal Mounting Frame M-H
0317.000

