

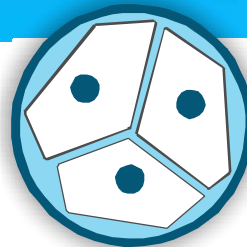
POC-SYSTEMS

CELL CULTIVATION & PERFUSION

POC-R2 and POCmini-2

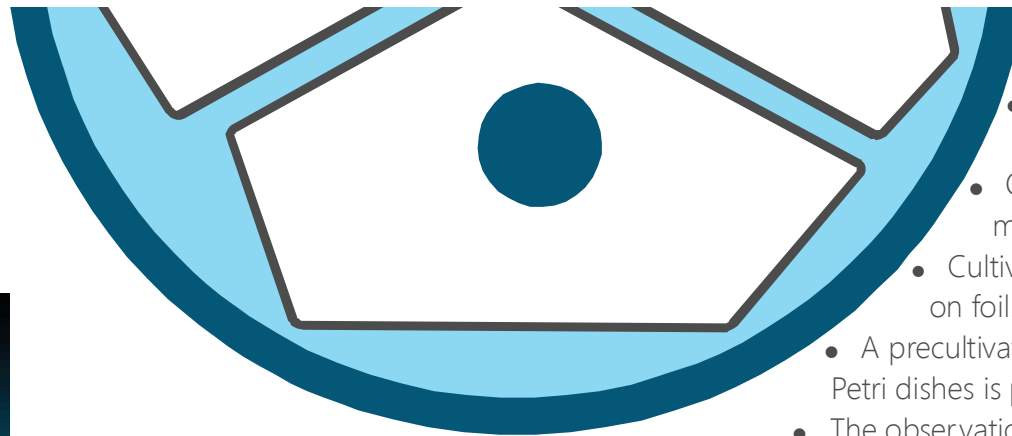


Innovative System for the cultivation and perfusion of cell cultures under *in vitro* conditions on the microscope



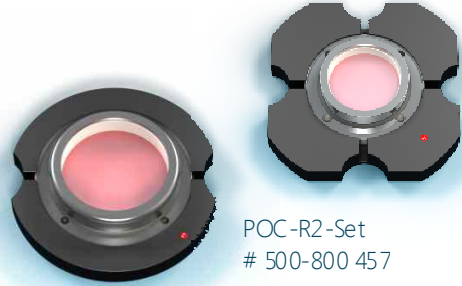
APPLICATION EXAMPLE

POC-R2 with Open Perfusion, Heating Frame 2000 and Incubator HF 2000



PeCon's innovative chamber systems **POC-R2** and **POCmini-2** (Perfusion Open and Closed) create *in vitro* conditions in the medium by way of regulating the parameters temperature, pH-value and O₂-value while using different microscopic methods. Short- as well as long-term cultivation and observation of cell and tissue cultures can be performed.

There are two versions of the system which differ in size: **POC-R2** und **POCmini-2**. Both systems can be used on inverse as well as on upright microscopes and offer 4 different possible applications: Open Cultivation, Closed Cultivation, Open Perfusion and Closed Perfusion.



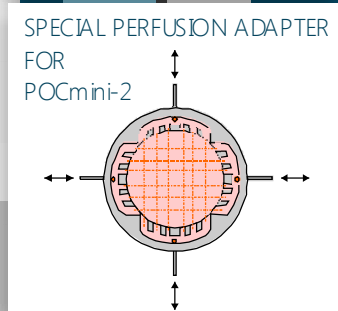
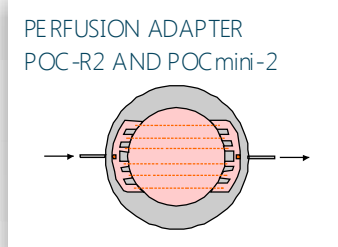
POC-R2-Set
500-800 457

POCmini-2-Set
500-800 258

The POC-Systems may be used in combination with many different Heating Inserts, Cooling/Heating Inserts, Incubators and CO₂-Covers.

THE BENEFITS AT A GLANCE:

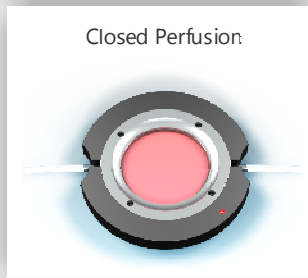
- Easy handling and quick assembly.
- Completely made of non-toxic materials.
- Cultivation can be made on glass or on foil.
- A precultivation of the cells on cover slips in Petri dishes is possible.
- The observation can be carried out with high-resolution oil immersion or water objectives.
- Due to the variable height of the chamber for Closed Cultivation, the system is suitable for the observation on inverse as well as on upright microscopes.
- The chamber can be modified, e. g. the user can switch between the 4 possible applications.
- Excellent dispersion of the nutrition medium over the entire area of growth with the perfusion adapter (Closed Perfusion).
- All parts of the POC chambers can be sterilized.



PECON -
SYSTEMS FOR
CELL CULTURE
AND MICROSCOPY

APPLICATION EXAMPLE POC-SYSTEMS

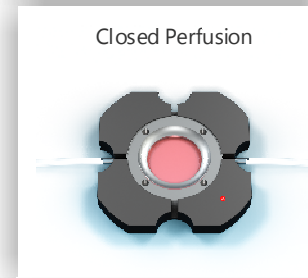
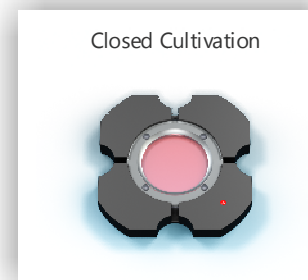
POC-R2-SET



Example: System's setup for Open Cultivation



POCmini-2-SET



Example: System's setup for Closed Perfusion



FURTHER INFORMATION:

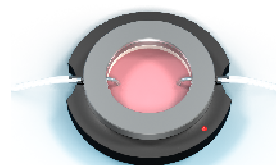
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OPTIONAL ACCESSORIES:

EXPANSION SET:
Open Perfusion

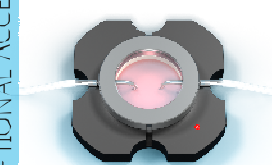


Open Perfusion (flat version)
e. g. for micromanipulation



OPTIONAL ACCESSORIES:

EXPANSION SET:
Open Perfusion
e. g. for micromanipulation



For both systems there are sterilizable foil covers (Foil-Cover) available in order to significantly minimize the evaporation of water from the medium. The covers have a crystal clear foil (CultFoil) that is permeable to gases.