

Culture chambers

Cell culture chambers



Cell culture chambers CC020

Coverslip holder designed for viewing live cell specimens on upright or inverted microscopes. As the chamber is made of surgical stainless steel and it is autoclavable, cells can be grown directly on coverslips within the unit. No special preparation is necessary to analyze your cells. Cells can be observed both: live or fixed directly in the chambers. You can use any fixative of your choice.

The O-ring seal design prevents samples from being contaminated by oil or leakage of media from the coverslips. The chamber accepts 25 mm round coverslips and mounts in a standard 35 mm diameter stage holder, and the 0.5 mm base dimension allows clearance for the objective when focusing (high resolution microscopy is possible).

Available in two different execution: standard or with injection ports

Compatible with 35 mm Petri lid, to minimize culture medium evaporation.

Injection execution is equipped with 2 injection ports, to connect 1/32" or 1/16" tubing.



Cell culture chambers main features are:

- made of biocompatible material using no glues, thus avoiding damages to cells
- compatible with all staining and fixation reagents
- walls height: used for all standard applications, for easy handling
- compatible with microinjection or electrophysiology
- glass bottoms are suitable for direct cell culturing, but may require a surface coating to promote cell attachment
- easy to handle
- easy disassembling for cleaning
- access port for injection of substances or culture medium sampling *
- possibility to connect to a peristaltic pump for medium renewing, to have longer live cell imaging session *

** only for injection execution*

Applications

- cell culture and high resolution fluorescence microscopy
- common confocal microscopy (laser scanning, TIRF, spinning disk)
- immunofluorescence staining
- live cell imaging
- transfection

TECHNICAL DATA

Material	Stainless steel, silicone o-ring
Weight	Approx. 0.2 kg
Dimensions	∅: 37 x H: 11 mm
Glass coverslip dimension	∅ 25 mm

Customization available for any particular coverslip size or shape

ORDERING DETAILS

Product code	CC020
Standard options	CC020-ES Standard execution CC020-EJ Injection execution

SKE Research Equipment®

C/O Leonardino Srl
via Ghisalba 13
20021 Bollate (MI) - Italy

tel: +39 02 4953 1694

www.ske.it

Sales and information request: sales@ske.it