



Closed Perfusion

Round Chamber

The **Perforated O-Ring Closed Cellular Perfusion Chamber** is designed for perfusion of cells cultured on coverslips during imaging experiments. The closed design enables control of solution application under sterile conditions. Its round shape emulates a 35mm Petri dish and is designed to fit into ALA's HCMIS or HCS for when temperature control is needed. Thin cover glass that form the chamber allow for high magnification optics to be use.

- Stainless steel construction of the chamber
- 1.75mm distance between coverglass is standard
- 15mm opening for use with high magnification objectives
- Fits #1 round 24/25mm coverglass
- Low solution volume

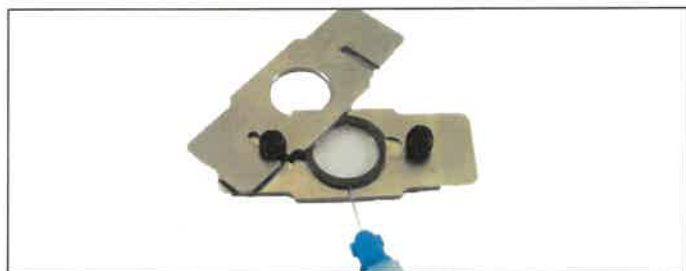


Closed Perfusion

Flat Chamber

The **low profile closed perfusion chamber** is designed to fit in place of a standard microscope slide. It allows for easy viewing with upright or inverted microscopes. The viewing port is 19mm. Number 1 cover glass is the recommended thickness and a quad profile o-ring is employed to provide maximum sealing surface and stability.

- Standard microscope slide size
- 19mm opening for use with high magnification objectives
- Stainless steel construction
- 1.75mm distance between coverglass is standard
- Low solution volume



Specifications for MS-CPC Flat

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Dimensions	76.5L x 30.5W x 5.5H mm
O-ring	#19 Buna-quad profile
Coverglass	#1 25mm
Inlet tube	PE-10
Outlet (Suction) tube	1mm maximum OD (Any tube)
Material	316 Stainless Steel
Weight	58g
Screws (knobs)	6-32 thread

Oocyte Perfusion

Chamber

The MS-OPC is a unique chamber that uses a funnel effect to channel perfusion solutions around the oocyte in a very efficient manner. The solution flows from the



bottom up with the suction at the top of the oocyte. There is plenty of room for electrode manipulation. The chamber uses a cover glass as its bottom and a double o'ring to clamp the cover glass to the chamber.

Ordering information

Chamber

MS-CPC	Closed perfusion chamber for imaging - round
MS-CPC-FLAT	Closed perfusion chamber for imaging - flat
MS-OPC	Oocyte perfusion chamber
MS-OPC-P	Oocyte perfusion chamber w/2 pellets attached