

# Vacu-Cell™ System

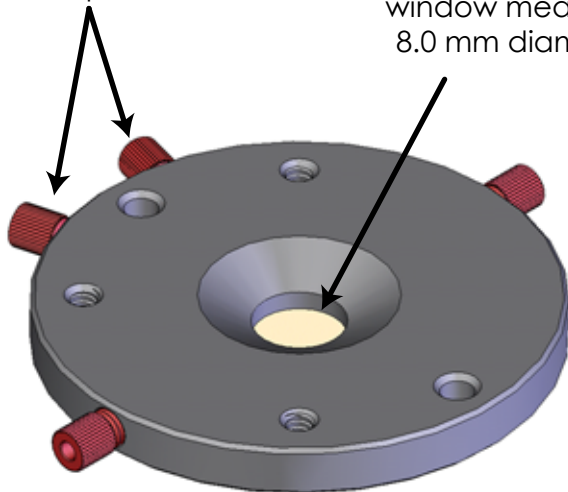
## Mini Perfusion Chamber, Thin Window Model MPC-TW

The Mini series Thin Window Perfusion Chamber uses two round coverslips to form a thin perfusion chamber. Two sets of dual o-rings on the bottom of the chamber body securely hold one 15 mm circular (upper) and one 25 mm circular (lower) coverslip in place. Each coverslip is held in place using a separate vacuum port, so they can be used independently. The observation window measures 8.0 mm in diameter. The chamber can be used with an inverted microscope, or the chamber can be inverted for use with a standard microscope.

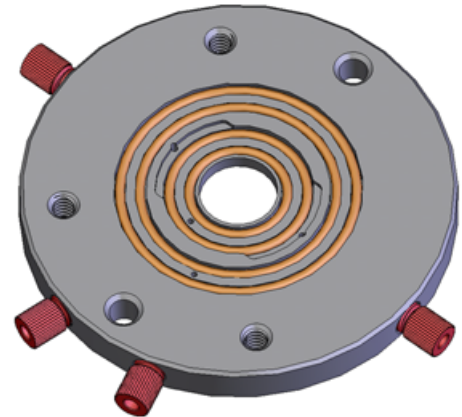
When the Model RPC-TW is used with two coverslips, a thin laminar flow chamber is formed between the two coverslips separated by 100 microns. Inlet and outlet perfusion ports direct fluid flow from one side to the other between the two coverslips in a laminar fashion. Either the upper or lower coverslip can be used without the other to fashion an open chamber configuration. The chamber is available in black anodized aluminum that is coated with parylene for biological compatibility. The chamber is heated by attachment to a heated microscope stage adapter.

Top and bottom  
vacuum ports

The observation  
window measures  
8.0 mm diameter

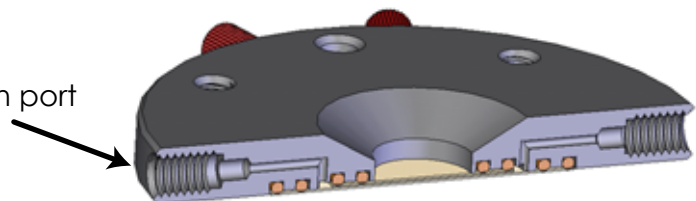


**Model VC-MPC-TW**  
(top view)



**Model VC-MPC-TW**  
(bottom view, without  
coverslips attached)

Perfusion port



**Model VC-MPC-TW**  
(sectioned view)

### Model Numbers

VC-MPC-TW-BA	Thin Window MPC, Black Anodized Aluminum
VC-25RCS-1	25 mm No. 1 Round Coverslips, Box of 160
VC-25RCS-2	25 mm No. 2 Round Coverslips, Box of 110
VC-15RCS-1	15 mm No. 1 Round Coverslips, Box of 378
VC-MPC-TW-ORINGS	O-rings for MPC-TW, 5 Sets

Patent Pending

**C&L Instruments, Inc.**  
**www.fluorescence.com**  
**717-564-9491**