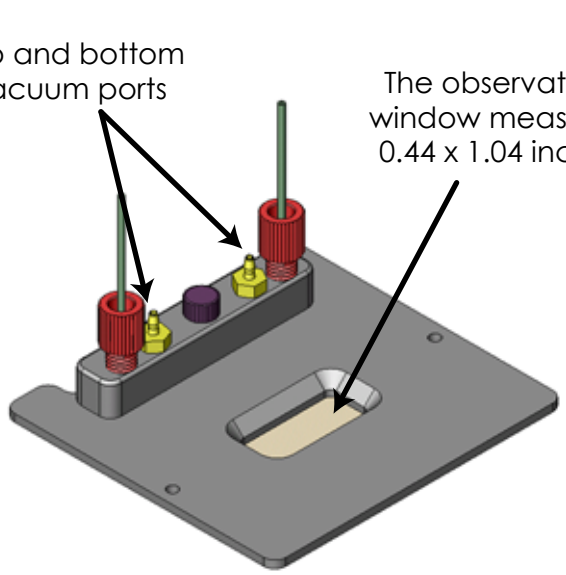
Vacu-Cell™ System

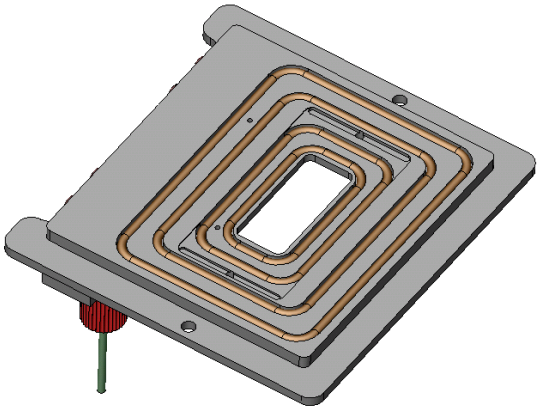
Rectangular Perfusion Chamber, Thin Window
Model RPC-TW

This Perfusion Chamber uses two rectangular coverslips to form a thin perfusion chamber. Two sets of dual o-rings on the bottom of the chamber body securely hold a 24 x 40 mm (upper) and a 48 x 65 mm (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 0.44 x 1.04 inches (11.2 x 26.4 mm).

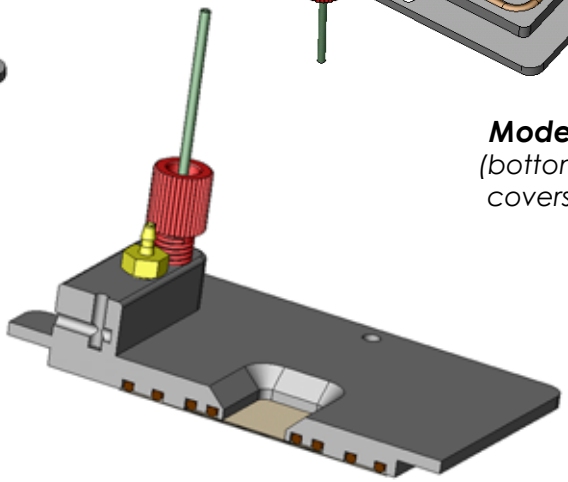
When the Model RPC-TW is used with two coverslips, a rectangular laminar flow chamber is formed with the two coverslips separated 100 microns, creating a thin laminar flow chamber. Inlet and outlet perfusion ports direct fluid flow from one end to the other between the two coverslips in a laminar fashion. Either the upper or lower coverslip can be used without the other to fashion an open chamber configuration. This chamber is available in black anodized aluminum that is coated with parylene for biological compatibility. A port for a temperature sensor is provided. Temperature is controlled using a heated microscope adapter.



Model VC-RPC-TW
(top view)



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



Model VC-RPC-TW
(sectioned view)

Model Numbers

VC-RPC-TW-BA	Thin Window RPC, Black Anodized Aluminum
VC-48x65CS-1	Rectangular 48 x 65 mm No. 1Coverslips, 1 Box
VC-24x40CS-1	Rectangular 24 x 40 mm No. 1Coverslips, 1 Box
VC-RPC-TW-ORINGS	O-rings for RPC-TW, 5 Sets

Patent Pending

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