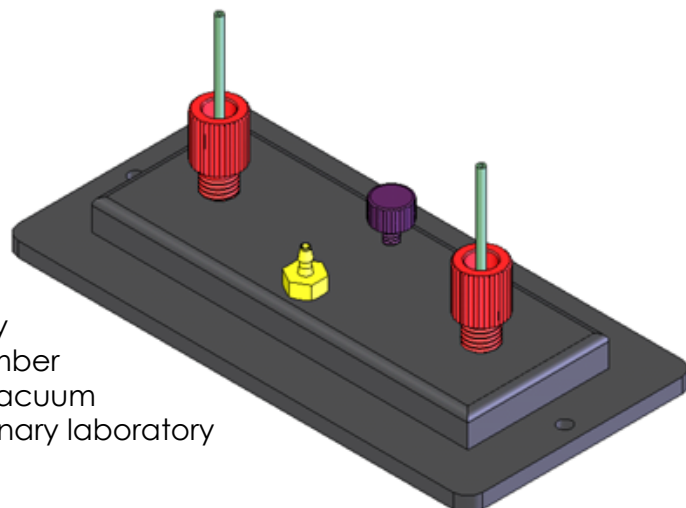


Vacu-Cell™ System

Rectangular Perfusion Chamber Model RPC-1x3

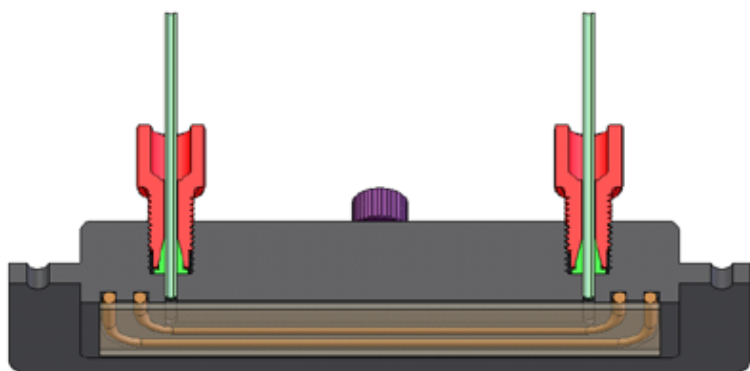
The Model RPC-1x3 chamber is design to form a laminar flow perfusion chamber using a standard 1 x 3 inch microscope slide. The chamber is formed using the slide as one surface and the chamber body as the other. The slide is held tightly against the chamber body by a vacuum. You can use the Model VCS-1 vacuum pump system provided by C&L Instruments or an ordinary laboratory vacuum.



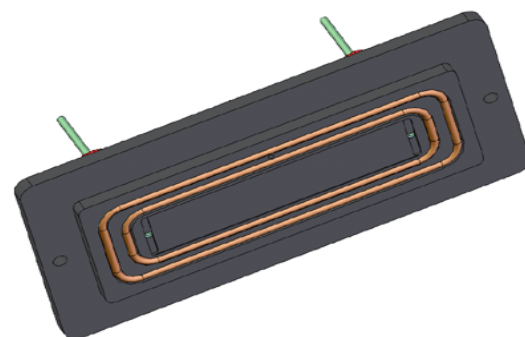
The dimensions of the laminar flow chamber are 12 mm (width) x 55 mm (length) by 250 micron (depth). The total fluid volume in the laminar flow area is 165 μ l. Other sizes are available by special order. Perfusion port connectors are standard 1/4-28 inch fittings that can accept either 1/16 or 1/8 inch OD tubing. This chamber is available in black anodized aluminum that is coated with parylene for biological compatibility.

This chamber offers complete access to the bottom of the slide, all the way to the edges without interference by any component of the chamber. This is perfect for oil immersion objectives and TIRF experiments, when access across the entire slide is preferred. Holders are available to fit most popular inverted microscope stages.

This flow chamber can be used with either standard or pre-coated microscope slides. C&L offers several types of precoated slides that permit easy attachment of proteins, oligos or DNA to the slide surface.



Model VC-RPC-1x3
sectioned view with
attached slide



Model VC-RPC-1x3
bottom view without
attached slide

Part Numbers

| | |
|-------------------|-----------------------------|
| VC-RPC-1x3-CA | Clear Acrylic |
| VC-RPC-1x3-BA | Black Anodized Aluminum |
| VC-RPC-1x3-ORINGS | Replacement O-rings, 5 Sets |

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