

Low Dead Volume Top for Bioptechs FCS2

Note: The only difference between the standard FCS2 top and the low Dead Volume Top is the volume of the fluid passage into the chamber. The standard FCS2 has a dead volume of 53.7 μl from the opening of the perfusion port to the entrance hole of the optical cavity.

The options for low dead volume are:

1mm perfusion port 26.8 μl or

0.5mm perfusion port 12.1 μl .

The standard port accommodates 1/16" flexible connection tubing by simple friction.

The other two low dead volume perfusion tubes require a compression fitting.

Compression fitting attachment instructions:

1. Place the compression nut on the FCS2 perfusion tubing with the threaded portion facing out. *Figure 2*
2. Place the tan colored 5/16 threaded stem on the flexible perfusion tubing with the threaded end facing the end of the flexible tubing. *Figure 2*
3. Slide the thin end of the blue 3/16" ferrule onto the end of the flexible tubing so that both the thick end of the ferrule and the end of the flexible tubing are just past even. *Figure 2*
4. Press the flexible tubing with ferrule over the end of the FCS2 perfusion port until it seats solid inside the compression nut. Screw the threaded stem into the compression nut until snug. *Figure 3*
5. Repeat for the other side of chamber. *Figure 4*



Figure 1

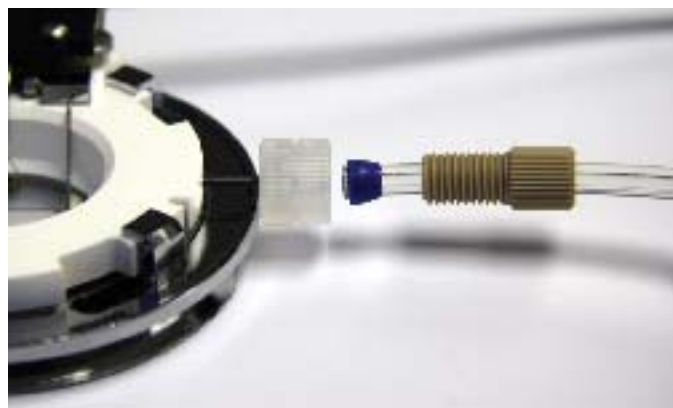


Figure 2



Figure 3

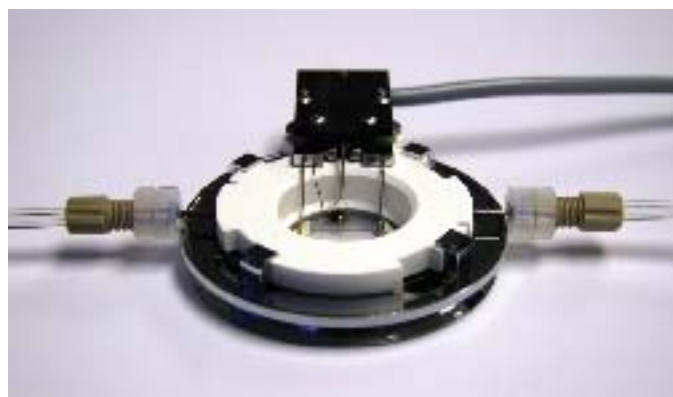


Figure 4