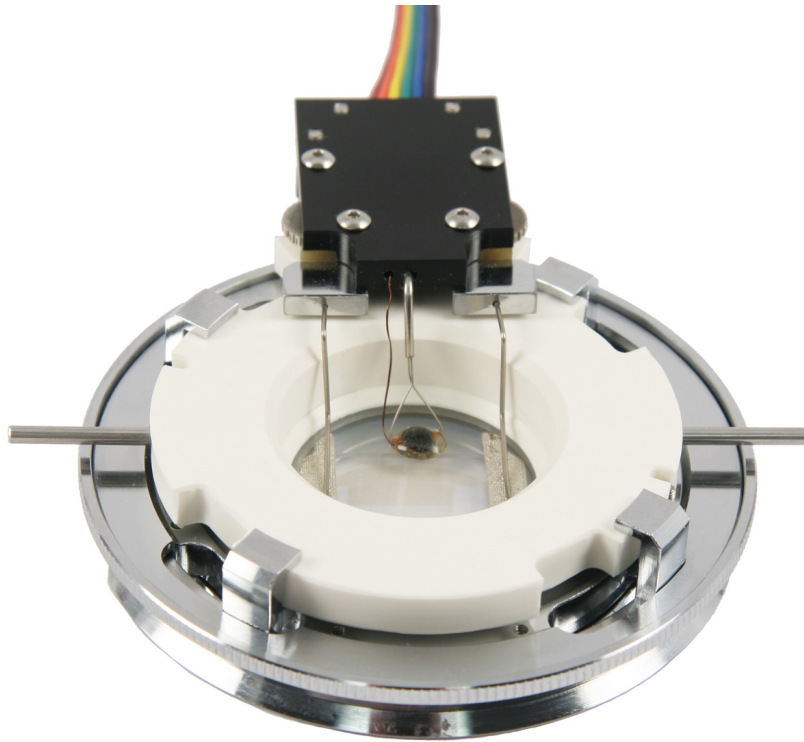




FCS2 Chamber

A parallel plate, high N.A. compatible, uniformly temperature controlled microscopic flow cell with a user definable specimen area.

\$2,462.96

Overview

The FCS2® Chamber is a versatile solution for micro-environmental control that offers precision temperature control that is compatible with all forms of microscopy. For a more detailed information about the system [Click](#)

For upright microscopes see the [FCS3®](#)

Features

1. Advanced Imaging Compatibility

- Compatible with all modes of microscopy
- Adapts to all brands of microscopes
- Ideal for high resolution imaging
- Accommodates adherent cells, tissue or suspended specimens

2. Definable Flow Characteristics

- Complete control of the volume within the optical cavity
- Complete control of the separation between optical surfaces
- Complete control of the shape or profile of the flow channel
- Laminar or customized flow
- User definable shear force

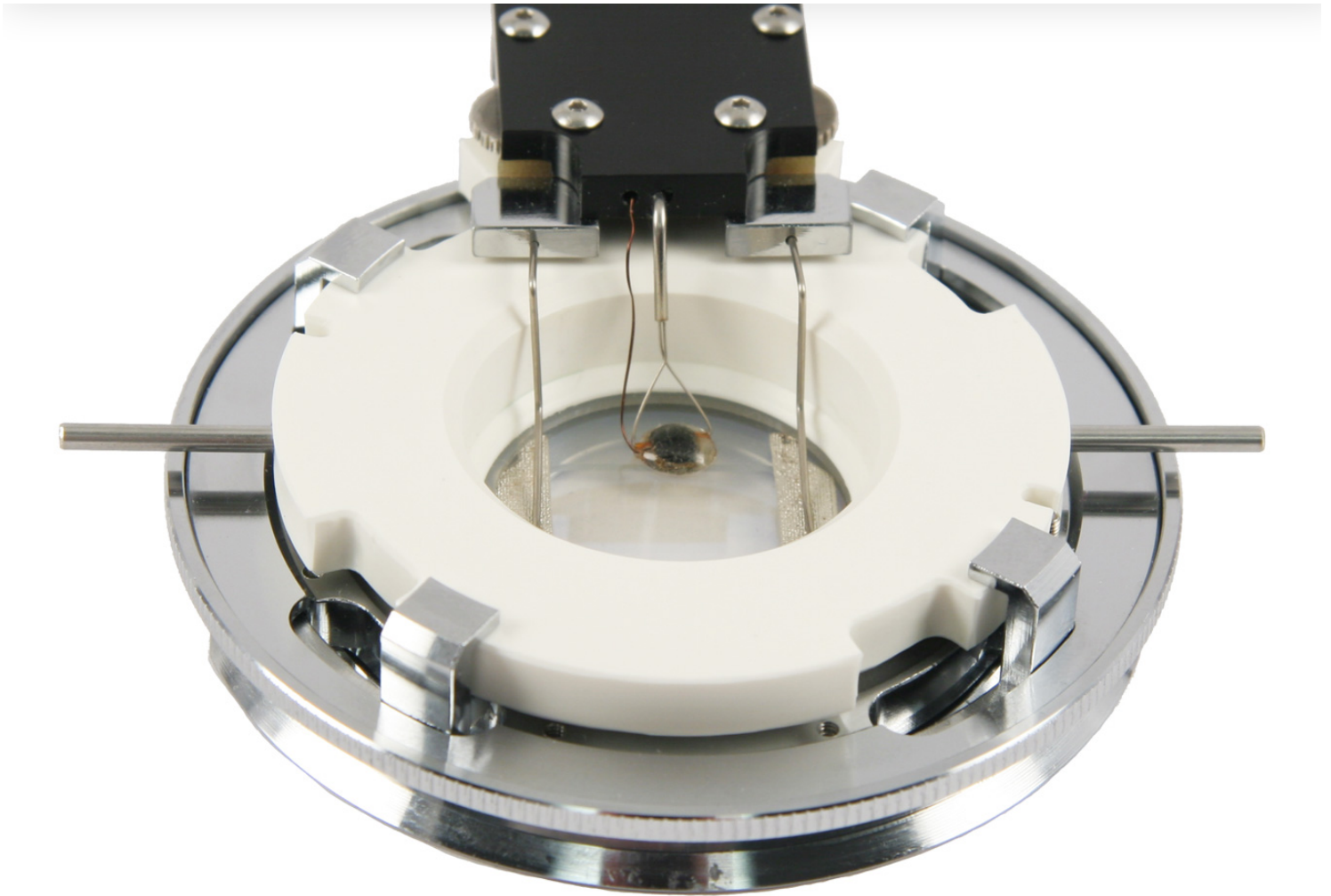
3. Precision Temperature Control

- Control of temperature to within 0.2 of a degree
- The only uniform temperature control across the specimen plane on the market
- Highly efficient rapid temperature stabilization
- Temperature control both above and below ambient

Includes

Specifications

Instructions



► **About the FCS2® Chamber**

► **How it works**

► **Temperature control**

► **Chamber Flow**

► **Customizable Gaskets for flow**

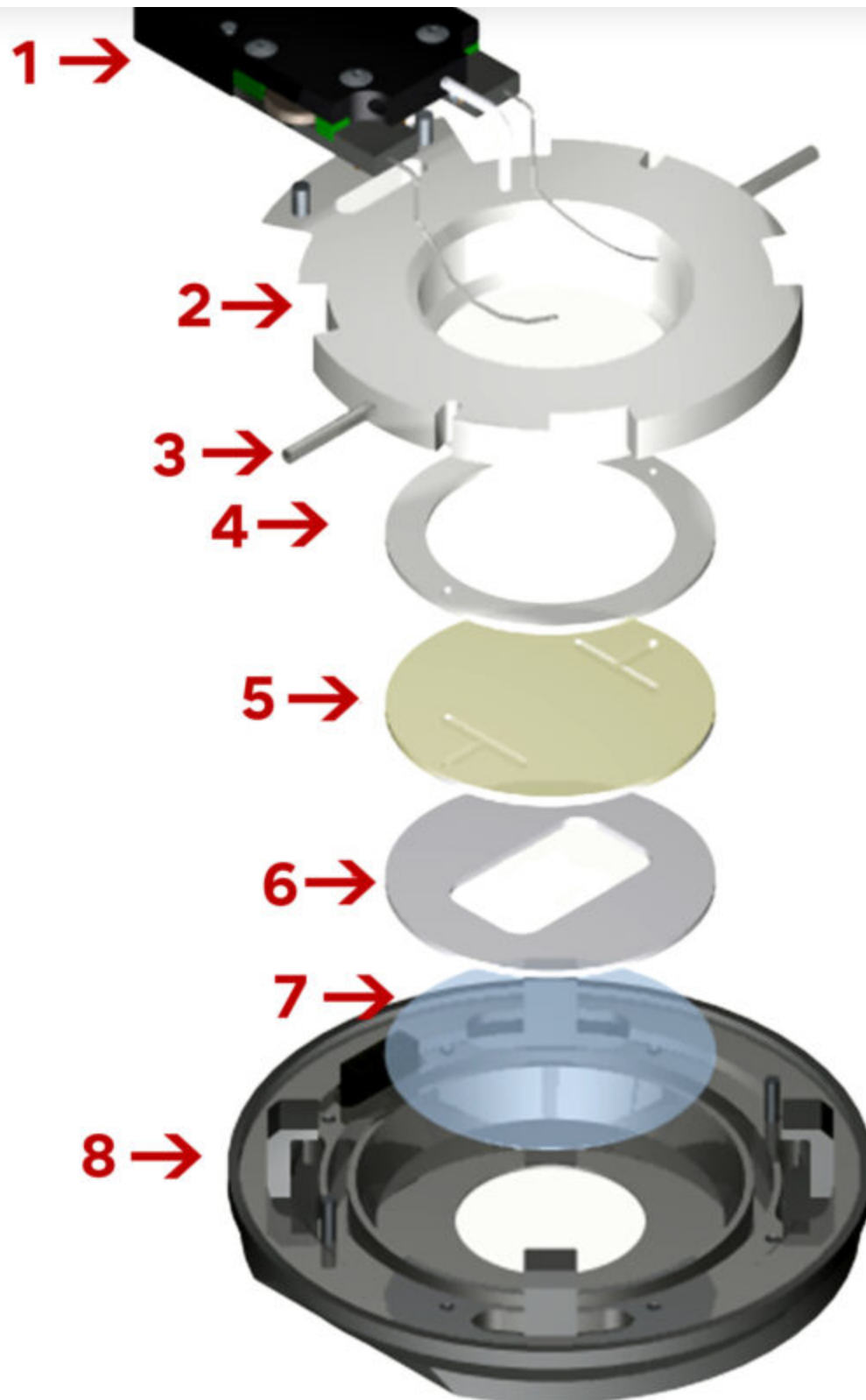
and published flow-cell chamber by microscopists since 1992

Chamber Break Down

FCS2 Chamber Features

- Closed system so that bicarbonate CO₂ or organic buffers can be employed





contains the perfusion tubes and is fully autoclavable.

3. **Perfusion Tubes**

14 gauge needle stock tubes for sterile perfusion.

4. **Upper Gasket**

Applies pressure to ensure seal on chamber and prevent leakage.

5. **Microaqueduct Slide**

An optical surface which integrates perfusion, temperature control, high-volume laminar flow, and koehler illumination.

Electronically conductive coating creates uniform temperature control.

6. **Singular lower gasket**

This gasket can have any internal geometry you desire and comes in standard thicknesses from .1mm to 1mm. This allows you to define the volume and flow characteristics of the chamber.

7. **40mm coverslip**

Surface where your cells are grown

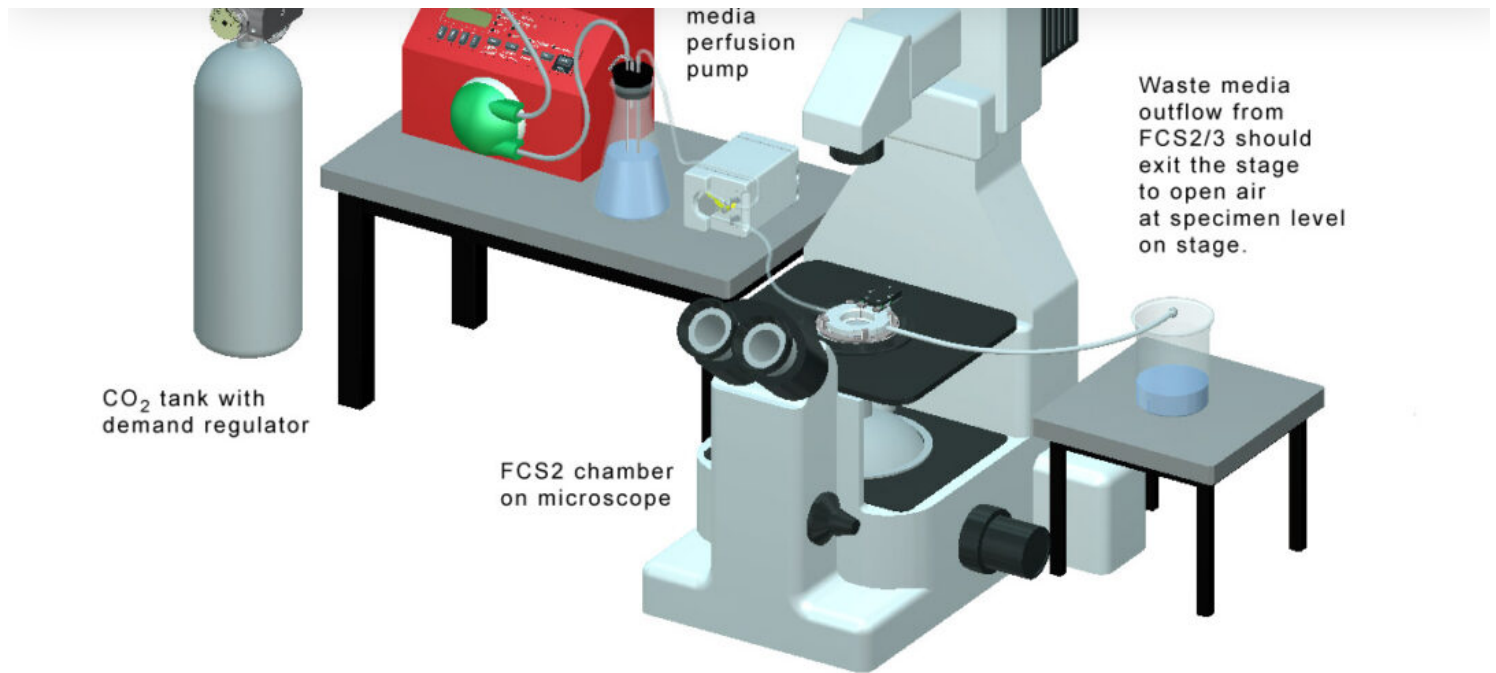
8. **Self locking base**

Designed to assure parallel uniform closure, eliminate leaks, and broken coverslips.

Temperature controlled

dovetail base mounts to scope for stability.

Perfusion Set Up



FCS2 Media Perfusion Diagram

For more information on
the system check out the
system page or feel free
to contact us for
immediate service.



3560 Beck Road
Butler, PA 16002
U.S.A.
sales@bioptechs.com
1-877-877-LIVE-CELL (548-3235)
(United States & Canada)
Direct: +1-724-282-7145
(United States & International)

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