



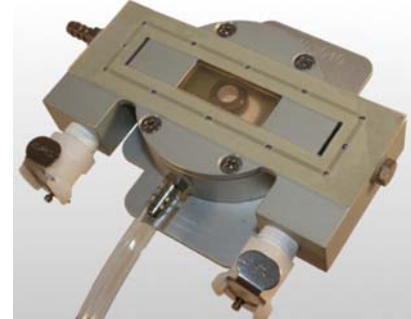
Microscopy

## FLEXCELL® FLEXFLOW™ Shear Stress Device

(cat. no. FF-3000)

### **Flex your cells while applying a shear stress.**

- Culture cells on matrix bonded rubber surfaces using StageFlexer® membranes or on matrix treated glass Culture Slips.
- Strain cells using the FX-5000 Tension system before, during or after applying shear stress.
- Uses a computer controlled peristaltic pump to regulate shear stress from 0 to 35 dynes/cm<sup>2</sup>.
- View cell responses to flow and/or strain in real-time with an **upright** microscope.
- Test cell alignment in response to flow.
- Test effects of agonist and antagonists on cellular responses to fluid flow.
- Analyze changes in [Ca<sup>2+</sup>]<sub>ic</sub> or other ion responses using fluorophores such as Fura-2



#### **FlexFlow™ includes:**

- FlexFlow™ device
- Tubing and quick disconnects
- Peristaltic pump
- StreamSoft software
- Two pulse dampeners

Microscopy

## FLEXCELL® STAGEPRESSER™

(cat. no. SP-3000)

### **A single-well embodiment of the Compression apparatus.**

- Compress cells using the FX-5000 Compression system.
- View compressed cells in real-time with an **upright** microscope
- Piston and stationary platen compress samples on StagePresser membranes.

#### **StagePresser includes:**

- StagePresser device
- Three acrylic pistons and platen-loaded StagePresser membranes

*\*Requires a standard (**upright**) microscope and a light source that will illuminate the sample from above.*

