



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