

FlexFlow™ Shear Stress Device (FF-3000)

Flex your cells while applying a shear stress.

- Parallel plate laminar flow device designed to apply fluid shear stress and/or cyclic strain to cells in culture while providing a means for viewing cell activity under an **upright microscope** in real-time.
- Culture cells on matrix bonded rubber surfaces using StageFlexer® membranes (page 25) or on matrix treated glass Culture Slips® (page 28).
- Strain cells using the FX-5000™ and FX-6000™ Tension, Flex Jr. Tension, or Tissue Train® system before, during or after applying shear stress.
- Uses a computer controlled peristaltic pump to regulate shear stress from 0 - 35 dynes/cm².
- FlexFlow™ System includes:
 - FlexFlow™ device
 - Tubing and quick disconnects
 - Peristaltic pump
 - StreamSoft™ software
 - Two pulse dampeners

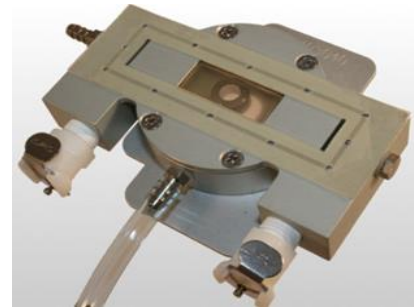


Figure 27. FlexFlow™

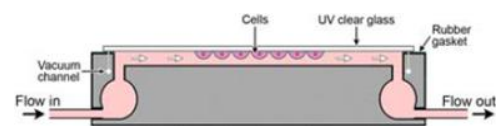


Figure 28. Shear stress application to cells in a FlexFlow™ device