



Medical and Biotech
Developments, Inc.



Overview of Liquid Switching Features

- These systems can deliver microliter volumes and switch between eight solutions in milliseconds from a single tip starting with a reservoir of only 100 microliters.
- Minimize cross-contamination with back-flow prevention. Special 3-way relief valve design stops liquid flow quickly. Includes pressurized large-volume reservoir for buffer.
- Programmable dispensing, microinjection, perfusion or spritzing of reproducible microliter volumes from 2.5ml cryo tube reservoirs to 10 psi pressurized bottles.
- Temperature control of up to 8 independent channels from ambient to 50°C.
- Low noise with internal and external grounding plus electrical isolation between liquids and heating elements.
- Unattended solution switching: Avoid vibrations from switching valves by hand. The ValveBank® or ValveLink8.2® controller handles all solution delivery so that you can watch results – not switch stopcocks. Many special features are included for easy perfusion control. Low noise circuitry.
- Increased reproducibility: Valve switching is accurate to 0.01 seconds with programs up to 99 hours long under microprocessor control. Consistent liquid delivery means better data.
- Manual and external valve control: Flexible design. Easy cleaning and calibration. Slave mode valve operation controlled by your computer, pClamp, Pulse, Acquire, LabView, AxoGraph, etc.