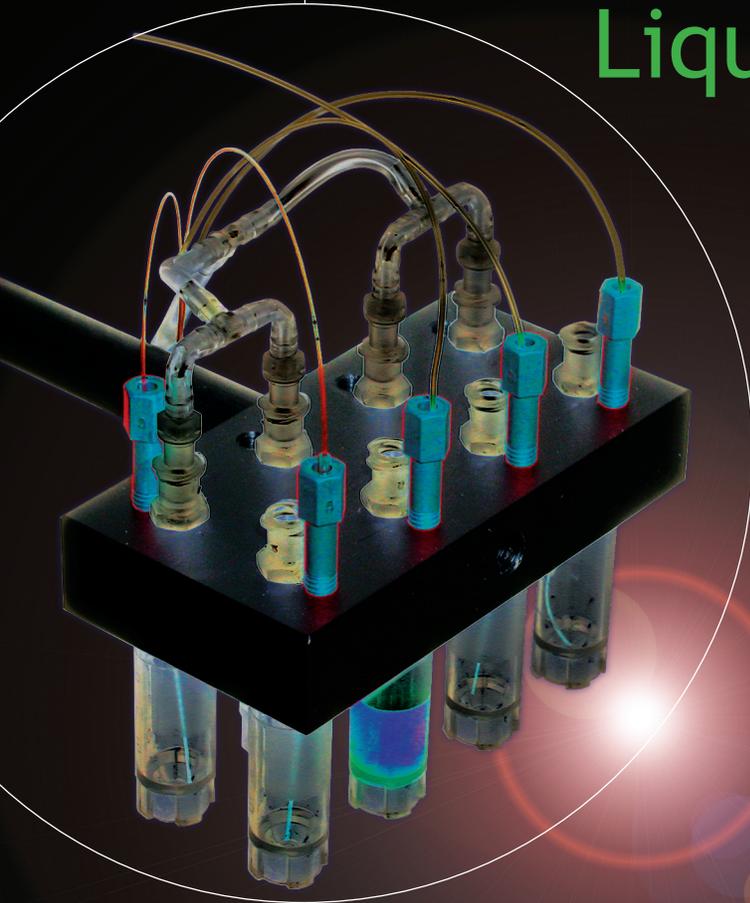
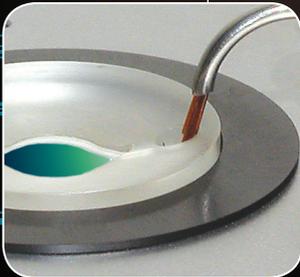


Liquid Media Control



Small volume delivery systems, SVDS1, help to conserve expensive substances and allow you to use solutions available in limited quantities. Combined with PC-16 valve controller, the system makes a computerized station for accurate dosing and mixing of test solutions.

Valve controller based systems come complete with tubing, manifolds, fitting, solution reservoirs, and mounting stand. The stand incorporates unique vibration isolation attachments to prevent sample disturbance during operation. The systems also include magnetic stand for direct attachment to microscope tables.



think solutions...

- 1** Zero-dead volume manifolds facilitate test solutions application & prevent contamination
- 2** High optical quality dishes are designed for continuous media exchange during long term imaging

- 3** Miniature incubators with multiple ports for solutions inflow and outflow to perform complex protocols during imaging experiments

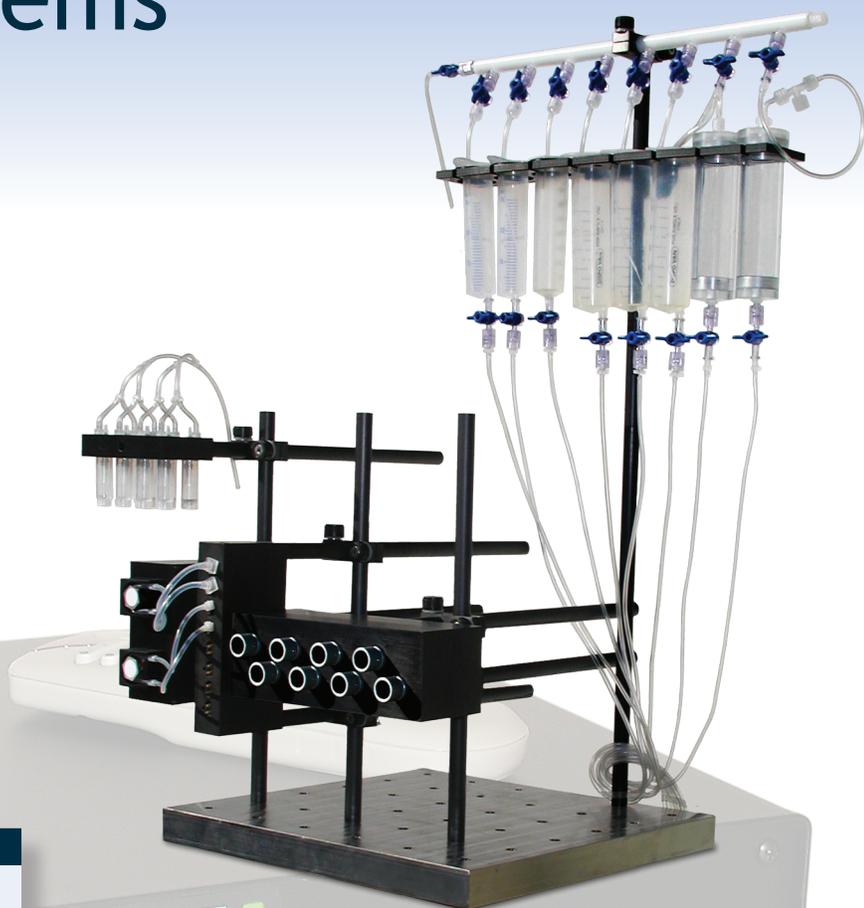
- 4** Miniature holders provide flexible configurations of perfusion accessories, temperature probes, and electrodes



Perfusion Systems

The solution switch systems come with 16-channel valve controller to allow easy up-grades and build-ups. Optional remote control provides ergonomic way to switch solutions while observing the sample. Automatic Memory mode makes solution switching even easier.

Two types of valves are available: solenoid-valves are used to facilitate solution exchange around small samples, while pinch valves provide easy maintenance. Optional modifications allow connection of multiple units to the same computer port to provide software control of up to 320 channels.



Features	Standard Configurations:
ADC	Valve control using analog signal
Binary CODE	Control all channels with only 4 digital inputs
Digital I/O	16-digital inputs for TTL control
RS232	RS232 port control



Valve based perfusion systems come complete with tubing, fitting, manifolds, reservoirs and mounting stand for vibration free operation.

Optional accessories provide extremely flexible ways to configure solution exchange around your sample. Miniature holders can be mounted on magnetic microscope adapters or any threaded surfaces. Adapters for all major microscope brands are available. Temperature controlled systems and incubators incorporate solution pre-heaters. Flow control system can be configured to provide automatic solution outflow and software control to mix multiple solutions. Standard configurations include pressurized delivery of small volumes, gas saturation of solution, intracellular perfusion, and formation of stable chemical gradients.

