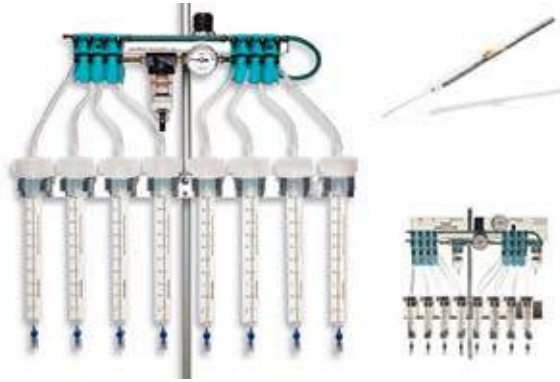


## Pressurized Superfusion AutoMate



### Precise Control for Whole-Cell or Single-Cell Superfusion

Add a precision pressure regulator and syringe reservoirs for faster perfusion switching, steady flow, microinjecting, fine microliter delivery, or small pipette delivery. Avoid harmful pressure pulse artifacts produced by peristaltic pumps. The Perfusion Pressure Upgrade uses steady air pressure and is easy to add to any new or existing gravity perfusion system. Also available with glass syringes for volatiles.

#### Features:

- Faster switching
- Steady flow
- Microinjecting
- Fine microliter delivery
- Small pipette delivery
- Easy to add to any new or existing gravity perfusion system from AutoMate Scientific, any third-party manufacturer, or even homemade rigs. Connect to house air or compressor (30 to 100 psi). The pressure kit does not introduce bubbles into solution; it helps overcome flow problems due to bubbles.
- Available in four-, eight- or sixteen-channel configurations. Syringe reservoirs may be placed in a water bath for temperature control. Elegant design allows individual control of each air line.

## Accessories / Upgrades

### Perfusion Pencil

A multi-barrel manifold for focal drug application in single-cell or whole cell perfusion, the Perfusion Pencil enables millisecond solution change with micro-liter dead volume. No piezo or stepper motor translation or clumsy rotating valves are needed. Easy micromanipulator mounting.

- Rapid solution change with micro-liter dead volume. No piezo or stepper motor translation. No clumsy rotating valves.
- Single-cell and patch delivery. For mounting on any micromanipulator.
- Vacuum cross-contamination prevention. Use one tube to vacuum the tip volume clear between solution changes.
- Solid construction. Easy to connect and clean.

## Oxygen8 Bubbled Superfusion

You need rapid liquid switching with oxygenated solutions. How do you bubble Carbogen gas into closed, pressurized reservoirs? After several years of research, AutoMate Scientific has finally solved this engineering problem: bubbled, pressurized perfusion.

- Faster Switching - all with bubbled oxygenation!
- Steady flow
- Microinjecting
- Fine microliter delivery
- Small pipette delivery

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