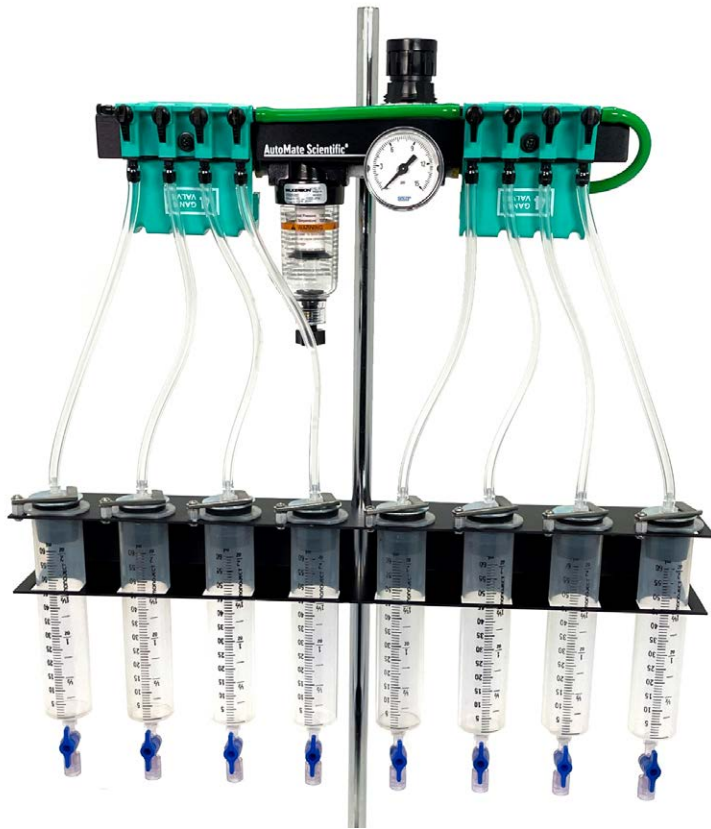


Precise control for whole-cell or single-cell superfusion.



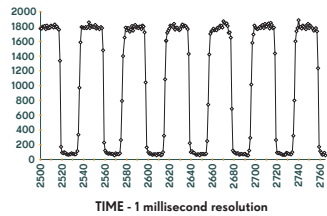
Pressurized Superfusion

For anyone who needs:

- **Faster switching and steady flow**
- **Fine microliter perfusion and microinjecting**

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). Does not introduce bubbles into solution; 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.

Liquid Switching in 3-4 msec.



Fast Flow Rhodamine B Fluorescence Switching - 40 ms period using the AutoMate Scientific Pressurized Perfusion System at 2 psi

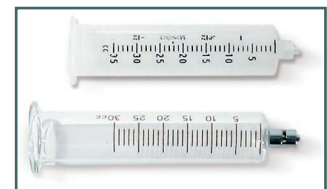
Thilo Lacoste

Materials Science Division
Lawrence Berkeley National
Laboratory

Precision Components



- 5 micron filter and gauge
- Precision regulator delivers 0-10 psi

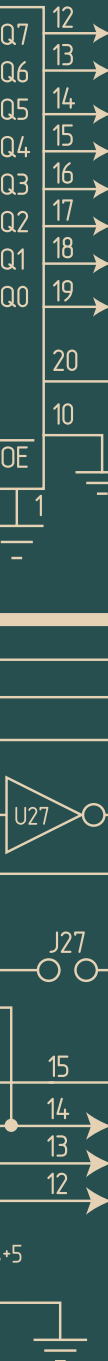


Several sizes of plastic syringe reservoirs or 35 ml glass syringes and PTFE-Inert tubing as our "Volatiles Pressure Upgrade."

Rubber Stoppers

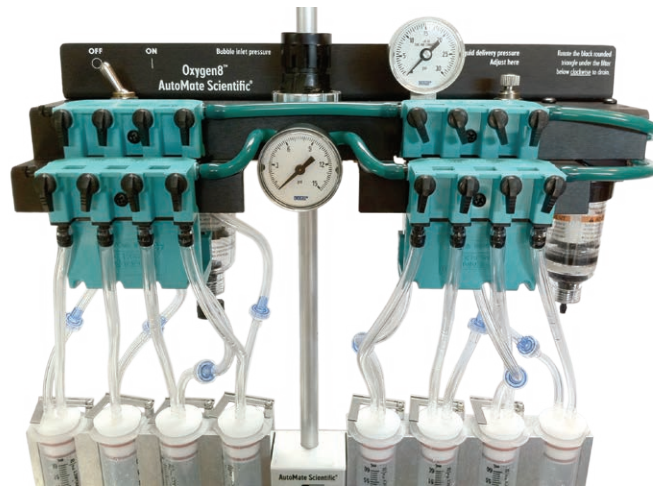


Pressure Upgrade available with 35 or 60 ml syringes and rubber stoppers shown in this photo, or 50 ml screw-cap reservoirs.



Precision Components

- Stainless steel construction
- 5 micron filter and gauge
- Precision regulator delivers 0-15 psi
- Convenient toggle switch completely closes gas connection to tank when not in use



Oxygen8™ Bubbled Pressure Kit

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

You can add the Oxygen8 to any new or existing gravity perfusion system from AutoMate Scientific, any third-party manufacturer, or even homemade rigs. Connect to your desired gas (30 to 100 psi). Available in four- or eight-channel configurations. Syringe reservoirs may be placed in a water bath for temperature control or combine with the AutoMate BubbleStop® syringe heater.

Ordering Information

| Part No. | Pressurized Superfusion |
|----------|--|
| 09-04 | Perfusion Pressure Upgrade - 4 channel |
| 09-08 | Perfusion Pressure Upgrade - 8 channel |
| 09-16 | Perfusion Pressure Upgrade - 16 channel |
| | with 35 or 60 ml plastic syringes, filter, regulator, and manifolds |
| 09-04n | Perfusion Pressure Upgrade - 4x 50 ml screw-cap reservoirs |
| 09-08n | Perfusion Pressure Upgrade - 8x 50 ml screw-cap reservoirs |
| 09-16n | Perfusion Pressure Upgrade - 16x 50 ml screw-cap reservoirs |
| 06-50 | Replacement 50ml screw-cap reservoir |
| | with 50ml plastic screw-cap reservoirs, filter, regulator, and manifolds |
| 09-04v | Volatiles Pressure Upgrade - 4 channel |
| 09-08v | Volatiles Pressure Upgrade - 8 channel |
| 09-16v | Volatiles Pressure Upgrade - 16 channel |
| | with 35 ml glass syringes, PTFE tube, filter, regulator and manifolds |
| 06-30g | Glass 30cc Syringes - set of four |
| 09-14 | Oxygen8™ Bubbled Pressure - 4 channel |
| 09-18 | Oxygen8™ Bubbled Pressure - 8 channel |
| | with 35 or 60 ml plastic syringes, filter, regulator, and manifolds |

U.S./Canada prices shown. International prices add 15%. Email or visit web store for latest prices.

