

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



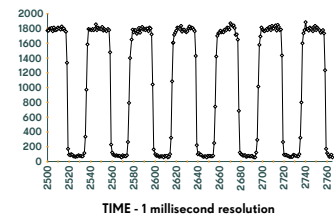
## Pressurized Superfusion

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 Teflon 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 new 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.

### Pressurized Superfusion Ordering Information

Part No.	Product Description	Price
09-04	Perfusion Pressure Upgrade - 4 channel	\$ 395
09-08	Perfusion Pressure Upgrade - 8 channel	\$ 495
09-16	Perfusion Pressure Upgrade - 16 channel	\$ 750
	with 35 or 60 ml plastic syringes, filter, regulator, and manifolds	
09-04n	Perfusion Pressure Upgrade - 4x 50 ml screw-cap reservoirs	\$ 395
09-08n	Perfusion Pressure Upgrade - 8x 50 ml screw-cap reservoirs	\$ 495
09-16n	Perfusion Pressure Upgrade - 16x 50 ml screw-cap reservoirs	\$ 750
06-50	Replacement 50ml screw-cap reservoir	\$ 12
	with 50ml plastic screw-cap reservoirs, filter, regulator, and manifolds	
09-04v	Volatiles Pressure Upgrade - 4 channel	\$ 796
09-08v	Volatiles Pressure Upgrade - 8 channel	\$ 1,240
09-16v	Volatiles Pressure Upgrade - 16 channel	\$ 2,225
	with 35 ml glass syringes, Teflon tube, filter, regulator and manifolds	
06-30g	Glass 30cc Syringes - set of four	\$ 259
09-14	Oxygen8™ Bubbled Pressure - 4 channel	\$ 1,215
09-18	Oxygen8™ Bubbled Pressure - 8 channel	\$ 1,480
	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.

