

# Sample Reservoir

## Sample injection for microfluidic applications

### FAST SET-UP

Sample Reservoir has 2 ports:

1. Apply pressure from UniGo or 4U pump.
  2. Connect 1/32" or 1/16" tubing to supply sample liquid to your microfluidic chip / flow chamber.
- Supplied with tubing and adaptors to connect to 1/32" or 1/16" tubing.

### EASY TO USE

- Plug-and-play interface.
- No need to screw in the cap, just plug in the tube.
- Seal is achieved with flexible o-ring.

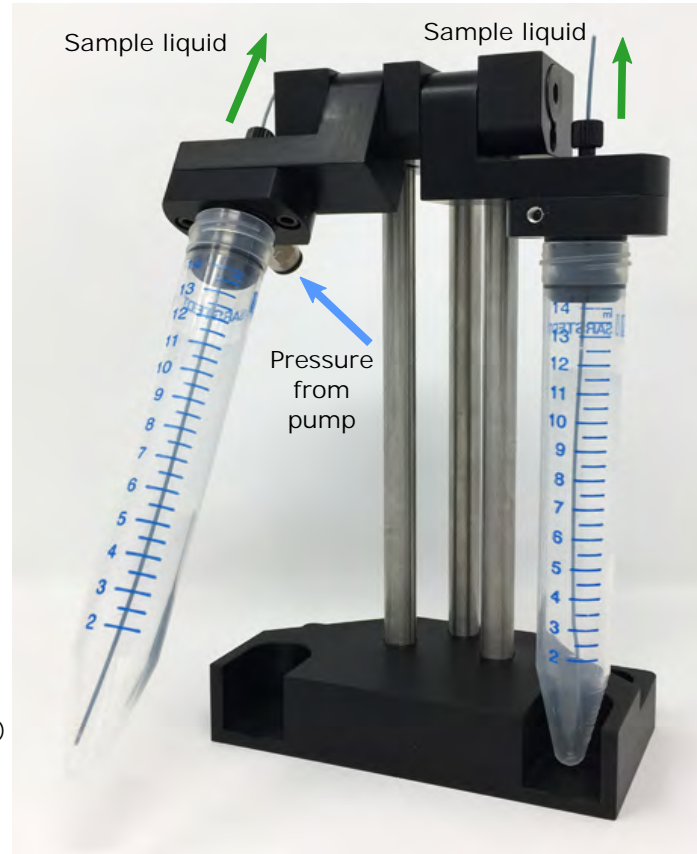
### MODULAR

2 sample injectors - run experiments in parallel.

### VERSATILE

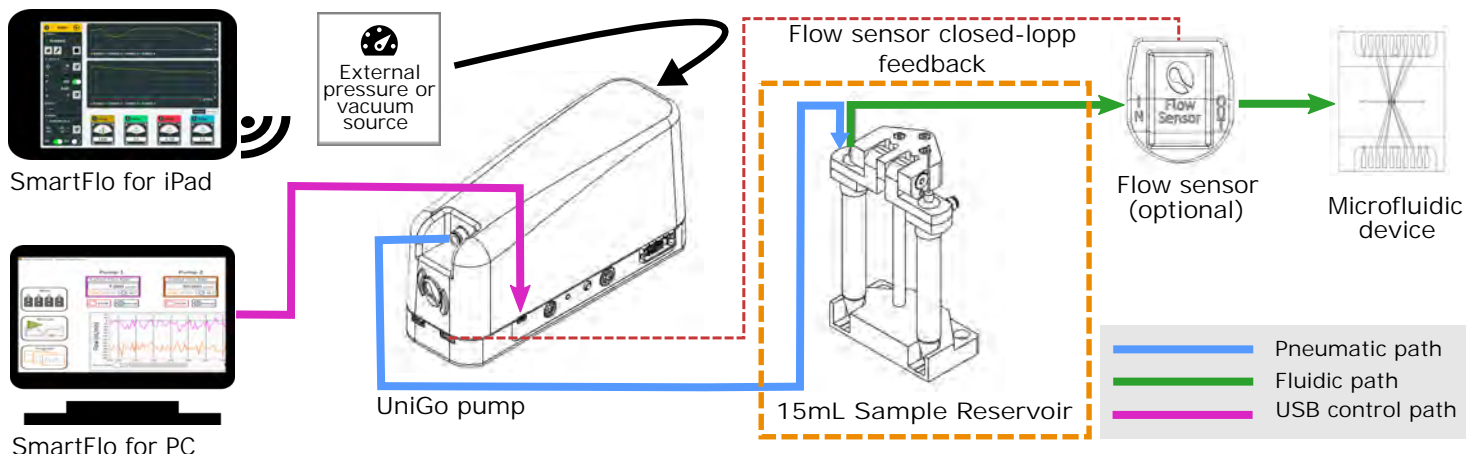
- 15mL Sarstedt tubes, 1mL or 2mL Eppendorf tubes<sup>(1)</sup>
- Choose 1/32" ID tubing to minimise volume from tube to chip (64µm ID to 250µm ID available).
- Compatible with cell culture and autoclavable.
- Free-standing or optical table mount.

(1) See image overleaf

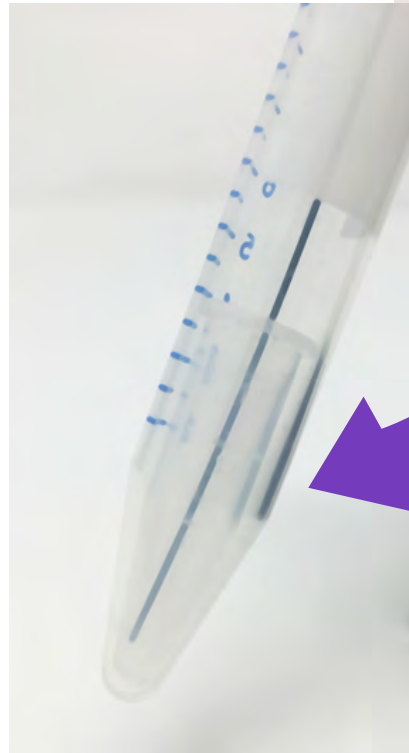


Sample reservoir with two 15mL Sarstedt tubes

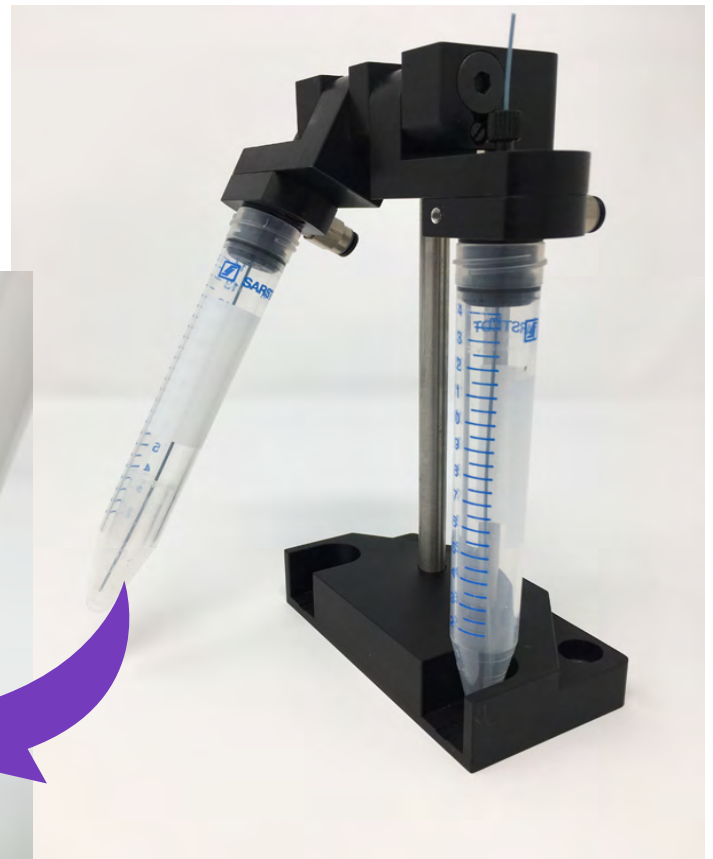
### How does it work?



1. Cut the lid off the Eppendorf tube
2. Drop the Eppendorf tube inside the 15mL tube



2mL Eppendorf inside  
15mL Sarstedt tube



## TECHNICAL SPECIFICATIONS

Working Pressure	Up to 7 bar or 101 PSI or vacuum -0.8 Bar <sup>(1)</sup>
Volume	15mL Sarstedt tubes; 1mL or 2mL Eppendorf tubes
Pressure Port	4mm OD, push-fit

## APPLICATIONS

- ✓ Cell Rolling & Adhesion
- ✓ Shear based cell rolling, adhesion and transmigration assays on ligand coated surface
- ✓ Mixing of soluble compounds in micro channels and precise liquid delivery
- ✓ High throughput droplet micro-reactor generation.
- ✓ Bacterial biofilm formation on solid surfaces