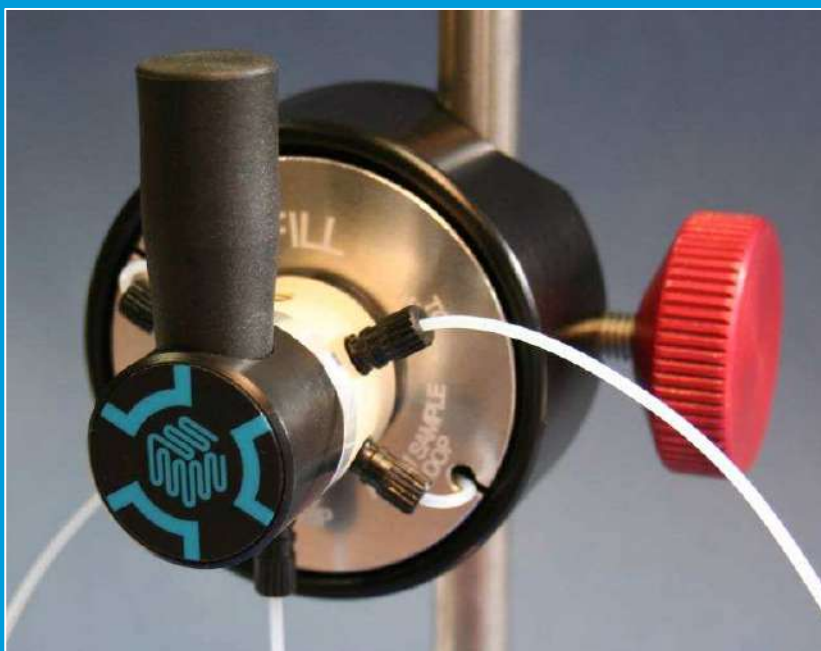


Mitos Sample Injection Valve

Part No. 3200037



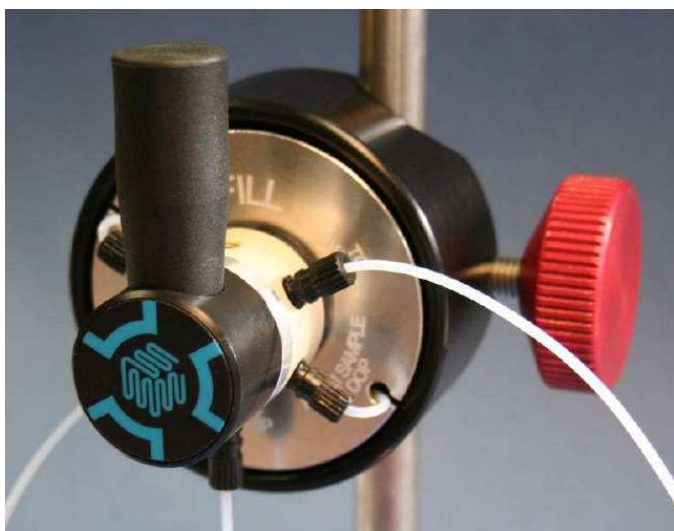
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Description

The MitoS Sample Injection Valve allows small liquid samples to be pumped into microfluidic systems without the sample passing through a pump.

The liquid reagent is loaded onto the sample loop via a luer port. The loop is then switched into the flow stream and the sample flows into the microfluidic system. In this arrangement clean solvent or buffer flows through the pump.

The size of the sample loop can be adjusted by the user and the loop is stored inside a casing which keeps the temperature of the loop stable relative to fluctuations in room temperature.



**MitoS Sample
Injection Valve
Part No. 3200037**

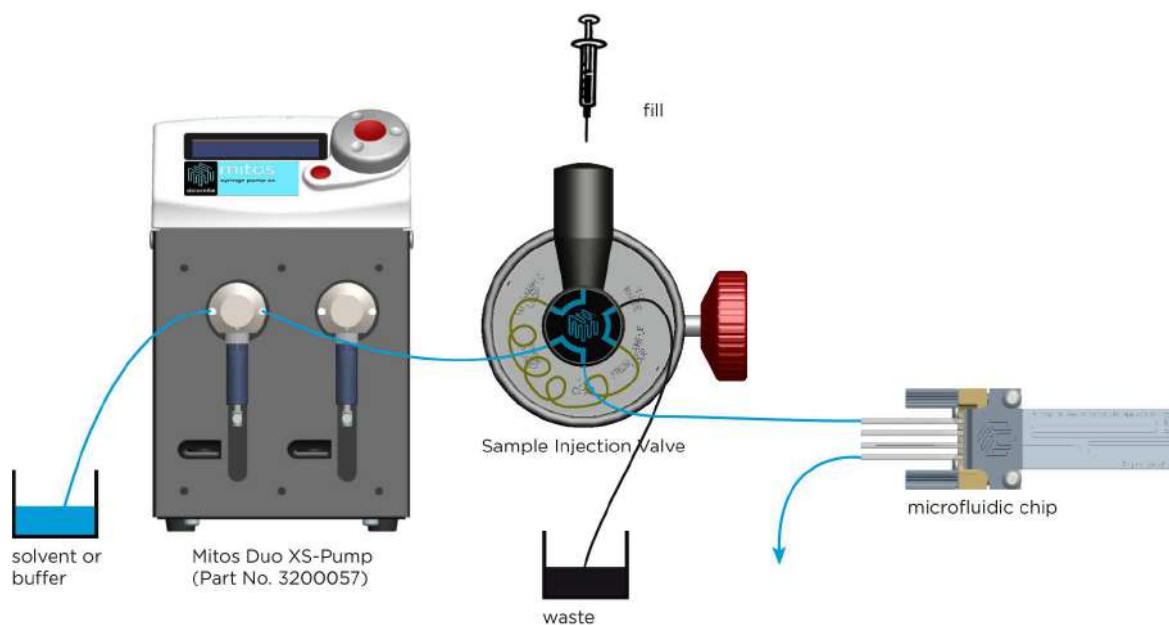
Benefits

- Low dead volume
- High chemical resistance
- Easily replaceable sample loop
- Valve ports labeled specifically for use with microfluidic systems
- Option for mounting on a retort stand

Specifications

Specification	Value
Max Operational Pressure	30bar
Sample loop volume range	25 μ l - 5ml
Internal volume of valve	4.3 μ l between ports
Weight	100g
Dimensions (L x W x H)	110x100x100mm

Typical System Set-Up with Sample Loop



Contents

- Injection valve
- Luer fitting
- 3 x 1.0m lengths of FEP tubing 250µm I.D., 1.6mm O.D.
- 1 x 500µl sample loop

Accessories

Tubing Starter Pack (Part No. 3000260)

This starter pack contains a range of different consumables required for making up sample loops. The kit includes:

- 5 x PTFE Tube 1.6mm OD 0.5mm ID 5m long
- 6 x PTFE Pipe Grippers
- 4 x Large Head Fitting for 1.6mm OD tubing
- 2 x Compact Head Fitting for 1.6mm OD tubing
- 1 x Stanley Disposable Scalpel
- 2 x 5ml Disposable Syringe
- 1 x ¼"-28 Straight female polypropylene couple
- 1 x ¼"-28 Modified Luer fitting



Top: 1/4-28 male thread to female Luer fitting (Part No. 3000664)

Left: Tubing Starter Pack (Part No. 3000260)

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