SENTINEL
PROCESS SYSTEMS, INC
3265 Sunset Lane, Hatboro, PA 19040
www.sentinelprocess.com
P: 800.345.FLOW F: 888.329.9669

FlowSyn™ *Multi Experiment Package*

UNIQSIS
Accessible flow chemistry

FlowSyn Multi-X Package

Flow chemistry is an excellent method for reaction profiling and optimisation, particularly prior to scale up. High reproducibility of results coupled with short processing times allows the chemist to quickly explore a range of reaction conditions.

The FlowSyn Multiple Experiment Package (Multi-X) consists of either a Gilson FC203B or FC204 fraction collector in combination with an enhanced FlowSyn control interface.

The FlowSyn can be programmed to perform up to 10 sequential experiments and then will run unattended and collect the output of each experiment according to a pre-selected collection protocol.

Reaction outputs can be either simply fractionated, or collected using a dedicated 'optimisation rack' whereby each reaction plug is collected into a single vial in addition to an aliquot which is directly sampled into an LCMS vial for subsequent analysis.

Easy to use

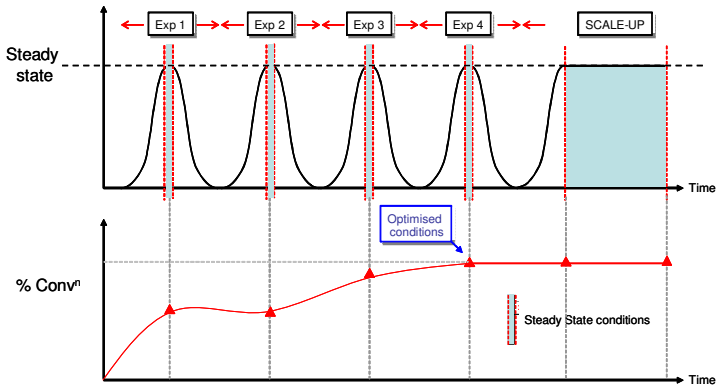
- Quickly set up a fraction collection method

Space saving

- Compact footprint, integrated control (no external PC required)

Flexible

- Choose single or 4 rack set up
- Choose 'fractionate' or 'optimise' sample collection protocol

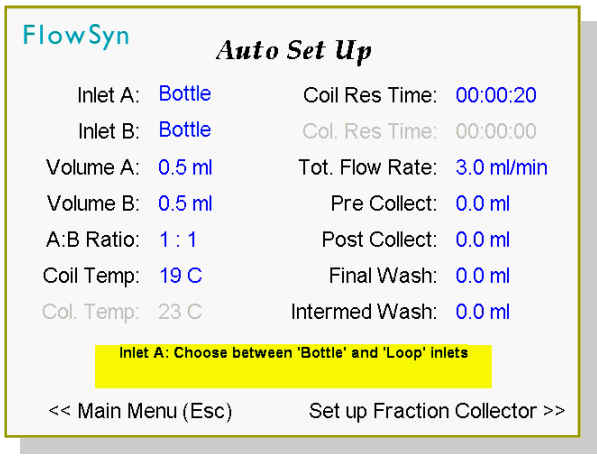


UQ1030 FlowSyn FC203B Multiple Experiment Package

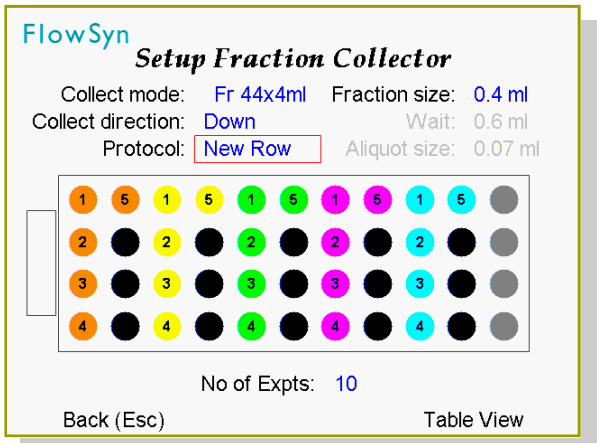
FlowSyn 'advanced' firmware
FC203B Fraction collector. Dimensions : 324 mm (w) x 292 mm (d) x 267 mm (h)
Uniqsis "Optimise" rack (10 x 20 ml vials and 10 x 2 mL vials) and standard Code 23W (44 x 4 mL vials) fraction rack.
Gilson 402 Single Syringe Pump with 10 mL syringe. Dimensions: 170 mm (w) x 200 mm (d) x 240 mm (h).

Setting up a series of experiments couldn't be easier—just follow 3 simple steps

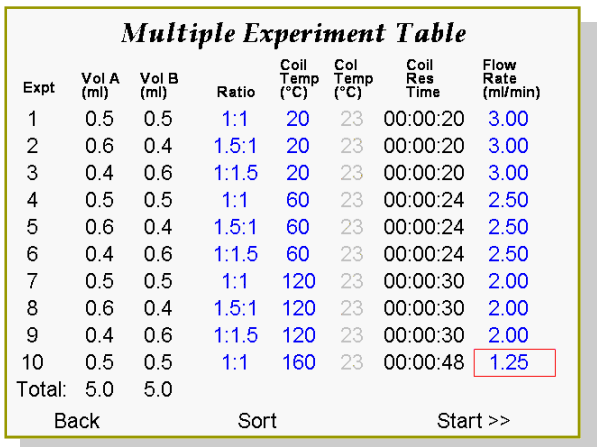
Step 1 - Set up a single 'prototype' reaction ...



Step 2 - Set up the fraction collector ...



Step 3 - Use 'Table View' to edit individual experiments and then press 'Start'



Expt	Vol A (ml)	Vol B (ml)	Ratio	Coil Temp (°C)	Col Temp (°C)	Coil Res Time	Flow Rate (ml/min)
1	0.5	0.5	1:1	20	23	00:00:20	3.00
2	0.6	0.4	1.5:1	20	23	00:00:20	3.00
3	0.4	0.6	1:1.5	20	23	00:00:20	3.00
4	0.5	0.5	1:1	60	23	00:00:24	2.50
5	0.6	0.4	1.5:1	60	23	00:00:24	2.50
6	0.4	0.6	1:1.5	60	23	00:00:24	2.50
7	0.5	0.5	1:1	120	23	00:00:30	2.00
8	0.6	0.4	1.5:1	120	23	00:00:30	2.00
9	0.4	0.6	1:1.5	120	23	00:00:30	2.00
10	0.5	0.5	1:1	160	23	00:00:48	1.25
Total:	5.0	5.0					

SENTINEL PROCESS SYSTEMS, INC
3265 Sunset Lane, Hatboro, PA 19040
www.sentinelprocess.com
P: 800.345.FLOW F: 888.329.9669
www.uniqsis.com