

## PREP SFC 100 with MS

### Standard Specification

<i>Ion source</i>	ESI with APCI option (switchable with minimal effort)
<i>API interface</i>	orthogonal ion sampling from heated capillary - allows for small single turbo pump (Patents pending)
<i>Flow rate range</i>	10 $\mu\text{L}/\text{min}$ to 500n $\mu\text{L}/\text{min}$ (higher with simple split)
<i>Polarity</i>	+ve and -ve ion in sequential analyses
<i>m/z range</i>	m/z 10 to m/z 1,200
<i>Acquisition rate</i>	5,000 m/z units sec <sup>-1</sup> (compatible with UHPLC)
<i>Resolution</i>	0.5 - 0.7 m/z units (FWHM) at 1000 m/z units sec <sup>-1</sup> over entire acquisition range
<i>SIM sensitivity</i>	10 pg Reserpine (FIA - 5 $\mu\text{L}$ sample injection volume at 100 $\mu\text{L}/\text{min}$ ) 100:1 S/N (RMS) with SIM of m/z 609.28
<i>Scan sensitivity</i>	100 pg Reserpine (FIA - 5 $\mu\text{L}$ sample injection volume at 100 $\mu\text{L}/\text{min}$ ) 100:1 S/N (RMS) with full-scan acquisition of m/z 100 to m/z 1200
<i>Accuracy</i>	$\pm 0.1$ m/z units over entire acquisition range