

SEPMATIX 8x HPLC

Screening with 8 Columns in Parallel



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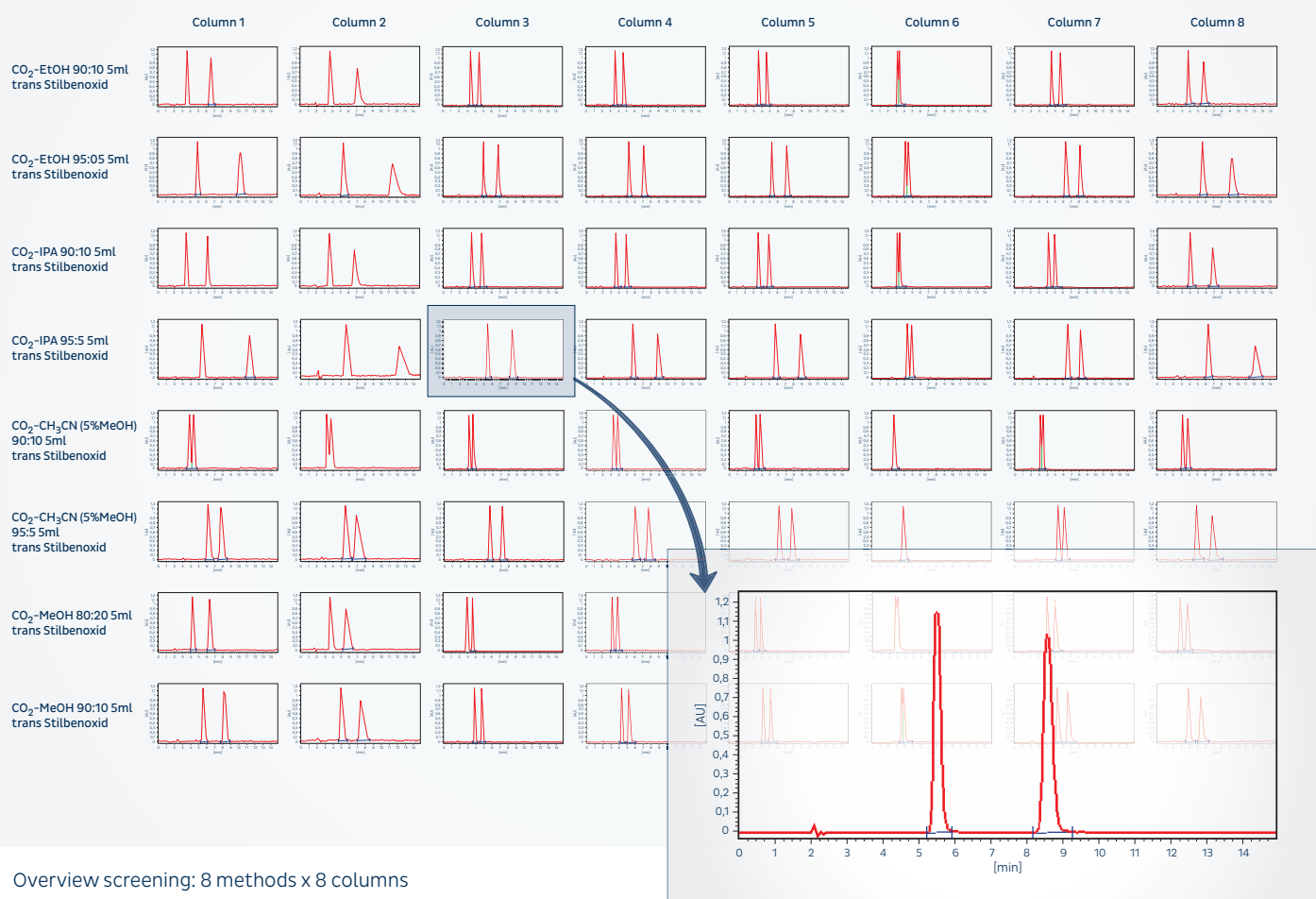
The Sepmatix 8x System Screening HPLC from Sepiatec only uses one external HPLC pump. The flow is separated by the patented Sepmatix Flow Control into eight channels, and the flow in each channel is precisely measured and re-regulated throughout the entire run. Together with an Autosampler and a detector with 8 independent spectrometer modules working in parallel.

The result is an unbelievably compact HPLC system, which will instantly enhance the throughput of every research and development laboratory eight times over. It is not necessary to

spend time adapting methods to the new system or to purchase any new costly HPLC columns. Different designs of the Sepmatix 8x System Screening HPLC are available for applications such as chiral column screening, protein screening, method development, or with an 8x Fraction Collector for preparative work.

The required space for the Sepmatix 8x System Screening HPLC is only 55 x 55 x 90 centimetres (W x D x H).

A column oven for heating purposes according to customer's requirements is also available.



Overview screening: 8 methods x 8 columns

Best resolution



Sepmatix 8x System Screening HPLC with Eluent Rack

The Sepmatix 8x System Screening HPLC can separate substances on eight different separation columns simultaneously. This significantly increases sample throughput.

The system consists of three modules: an 8x Flow Control low viscosity version with flow rates of between 0.5 to 1.25 ml/min; an auto-sampler with syringe pump which injects samples from standard microtiter plates or deep-

well microtiter plates onto eight columns (also suitable for vial racks); and an 8x Diode Array Detector with eight separate spectrometer modules and analytical flow cells applicable for the spectral range of 195 to 390 nanometres.



TECHNICAL DATA

SEPMATIX 8x HPLC

System	8 channel HPLC system with Flow Control unit
Operating mode	Up to 8 columns in parallel
Number of solvents	Up to 24
Pump	10 ml pump head, incl. low pressure gradient module and online-degaser
Operating pressure	Up to 400 bar
Flow control	Active flow regulation in 8 channels
Flow rates	0.5 to 1.25 ml per channel, automatic purge valve
Autosampler	Screening version, parallel injection of 1 sample at a time onto 8 columns
Columns	Up to 250 mm length, any vendor
Column oven (optional)	8 columns, ambient temperature to 70° C
Detector	8x Diode Array Detector, parallel detection 195 to 390 nm
Software	Sepmatix Control Software, Screening Wizard Software
Dimensions	55 x 55 x 90 cm (W x D x H)

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