The collective power of chromatography
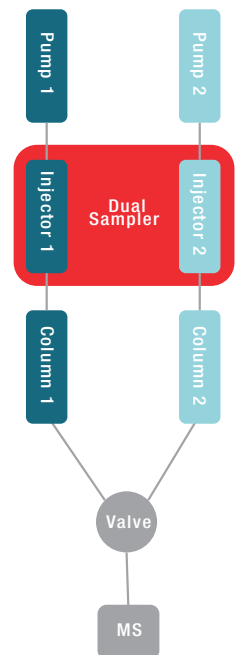
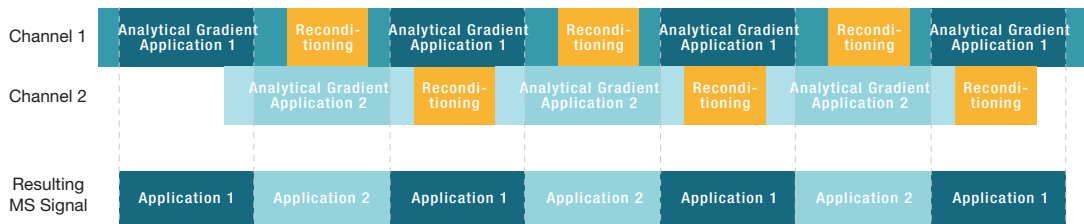## Thermo Scientific Vanquish Duo System for Transcend Duo LX-2

Maximize LC-MS throughput

During gradient elution of LC-MS analysis the elution window of the compounds of interest is often only a fraction of the total run time limiting the final sample throughput. The Thermo Scientific™ Vanquish™ Duo UHPLC System for Thermo Scientific™ Transcend™ Duo LX-2 can double LC-MS throughput with a multi-channel LC approach that eliminates wasted time from the application.

• Double throughput without compromising data quality

• Small footprint for optimal bench space utilization

• Improves flexibility by running two different methods simultaneously

• Accelerates Return on Investment with greater MS utilization

Multichannel LC-MS Method

Channel 1	Analytical Gradient Application 1	Recondi-tioning	Analytical Gradient Application 1	Recondi-tioning	Analytical Gradient Application 1	Recondi-tioning	Analytical Gradient Application 1
Channel 2		Analytical Gradient Application 2	Recondi-tioning	Analytical Gradient Application 2	Recondi-tioning	Analytical Gradient Application 2	Recondi-tioning
Resulting MS Signal	Application 1	Application 2	Application 1	Application 2	Application 1	Application 2	Application 1

Pump 1 — Pump 2

Injector 1 — Dual Sampler — Injector 2

Column 1 — Column 2

Valve

MS

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thermoscientific

Thermo Scientific Vanquish Duo UHPLC System for Transcend Duo LX-2

The Transcend Duo LX-2 workflow consists of two independent LC channels which can independently operate to run the separation. This combination along with the smart scheduling capability of Thermo Scientific™ Aria™ MX software results in doubled throughput without any sacrifice in data quality, sensitivity or additional bench space.
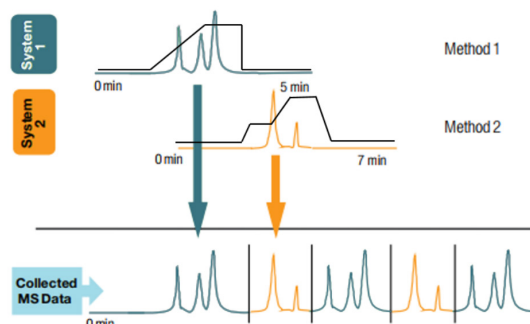
Aria MX software manages and controls all aspects of the Transcend system. It is powerful enough to schedule and manage multiple methods on multiple channels simultaneously. At the same time, it features an intuitive graphical method editing, allowing anyone to quickly develop methods and run batches of samples. Aria software is built into Thermo Scientific mass spectrometer software such as Thermo Scientific™ TraceFinder™, and Thermo Scientific™ Xcalibur™ software. It can also communicate and run with Analyst® software.
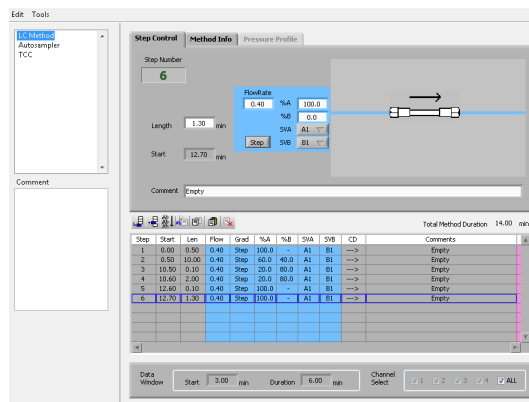
	Vanquish Flex Duo for Transcend Duo LX-2	Vanquish Horizon Duo for Transcend Duo LX-2	Transcend LX-2
Max. Pressure	1000 bar	1500 bar	1000 bar
Autosampler Arms	2	2	1
Injection precision	<0.25%	<0.25%	RSD < 0.5 %
Footprint (w x D)	54 x 62 cm	54 x 62 cm	142 x 82 cm
Sample Capacity	4 Plates	4 Plates	6 Plates

Find out more at **thermofisher.com/vanquishduo**

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