ionopticks

PRODUCT OVERVIEW

Aurora® Rapid™ 5x150

5 cm x 150 µm

Maximal throughput for biological fluid analysis and targeted workflows.

When high throughput matters, Aurora® Rapid™ 5x150 ensures you achieve IDs previously unimaginable at speed. With further improved spray stability and increased robustness, Generation 4 Aurora® Rapid™ 5x150 provides the benefits of micro flow chromatography for analytical research.

Product Benefits

- Ultra-high throughput
- Microflow
- High IDs
- System stability

Ideal for: High-throughput analysis of large sample cohorts

80-300 SPD

5-15 min Gradients

Specifications

Column format	Analytical column
Column type	Reversed-phase
For use with	UHPLC
Length	5 cm
Inner Diameter	150 µm
Pore size	120 Å
Pressure	>1700 bar
Temp. limits	60°C
Particle size	1.7 µm
pH stability	1–8
Stationary phase	C18
Suggested flow rate	0.4-4 µL/min

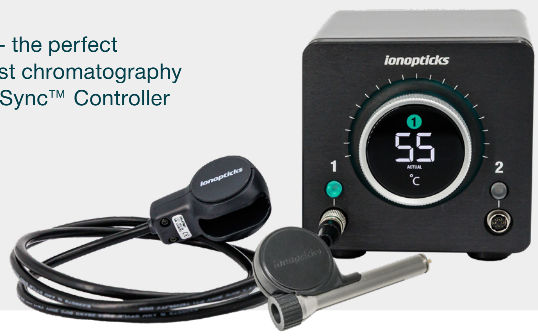
Compatibility

	Aurora®	Aurora® CSI
CaptiveSpray		✓
CaptiveSpray 2		✓
CaptiveSpray Ultra		✓
EASY-Spray	✓	
Nanospray Flex	✓	
Newomics UniESI	✓	
Newomics DuoESI	✓	
OptiFlow Turbo V		
OptiFlow Pro		

HEATSYNC™

Introducing the HeatSync™ range - the perfect companion to make the world's best chromatography even better. Includes the new HeatSync™ Controller and HeatSync™ Column Heater.

4 GENERATION
Generation 4
Aurora Series®



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Ultra-sensitive, high-throughput proteomics.

Analyses 180 samples per day with a 5-minute gradient.
Tryptic digested HeLa cell lysate was injected and separated using our 180 samples per day method and data dependent acquisition using PASEF.

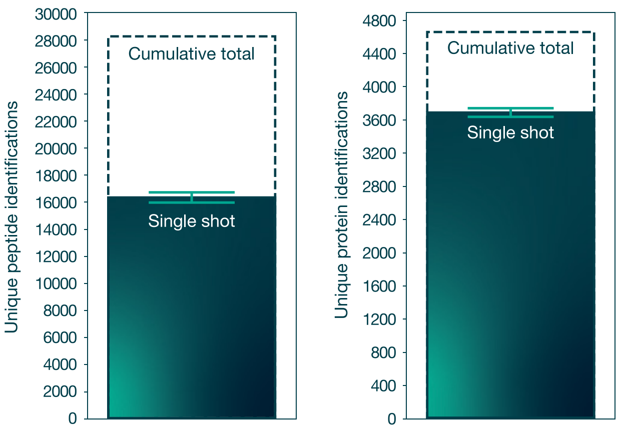
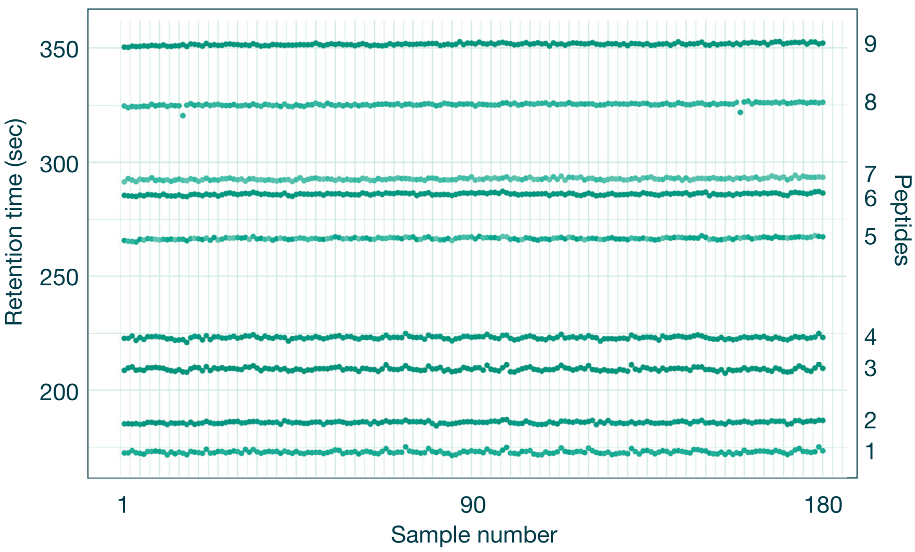
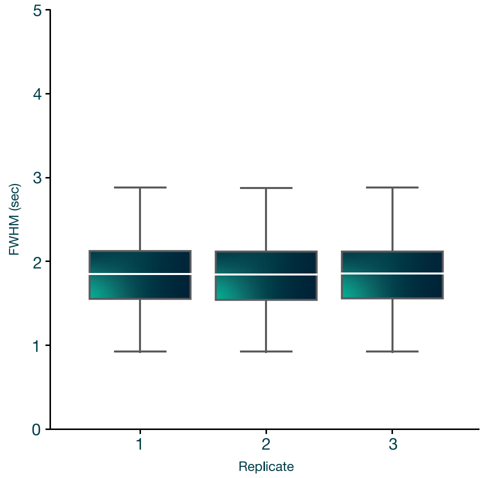


Figure 1: Number of unique peptide and protein IDs. Tryptic digested HeLa cell lysate was injected and separated using our 180 samples per day method and data dependent acquisition using PASEF. Samples were analysed on a M-class (Waters, USA) coupled to a timsTOF Pro (Bruker) equipped with a CaptiveSpray source.

Unrivalled retention time stability.

Robust performance across multiple samples.
Figure 2: Retention time comparison for 9 different peptides across 180 samples.





Robust Performance

Consistent results over large sample cohorts.
Figure 3: Median and standard deviation of FWHM (sec) for peptides.

Further literature at:
ionopticks.com