

Required Accessory

Aurora Rapid™ Housing

for use with AUR3-50150C18 and AUR3-5075C18

Required for Aurora Rapid columns in a Thermo Scientific Nanospray Flex source. The unit houses the column and connects the source high-voltage to the nanoZero® fitting.

(Part No: 5CMNFSH1)



Tech Specs

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

(Part No. AUR3-50150C18 / AUR3-50150C18-CSI)

ionopticks

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Fitzroy, Victoria 3065, Australia

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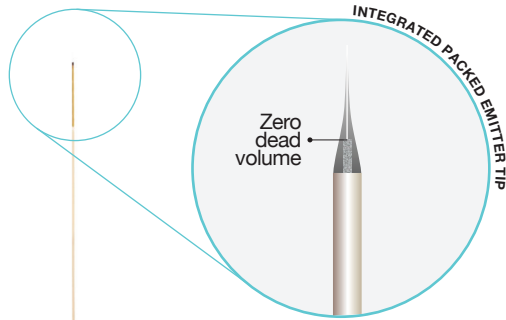
Aurora
GENERATION **3**

Aurora™
RAPID
150

5 cm microflow UHPLC packed emitter column.

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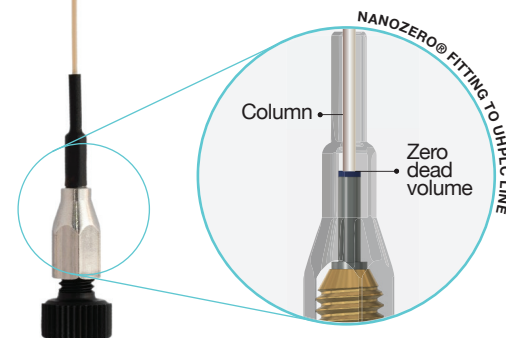


Maximal throughput for biological fluid analysis and targeted workflows.

When high throughput matters, Aurora **Rapid150™** ensures you achieve IDs previously unimaginable at speed. Aurora **Rapid150™** provides the benefits of micro flow chromatography for analytical research.

Product Benefits

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



Ultra-sensitive, high-throughput proteomics.

Analyse 180 samples per day with a 5 min gradient.

Figure 1
Unique Protein IDs

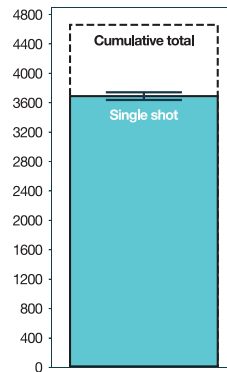
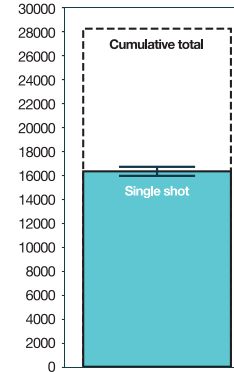


Figure 2
Unique Peptide IDs

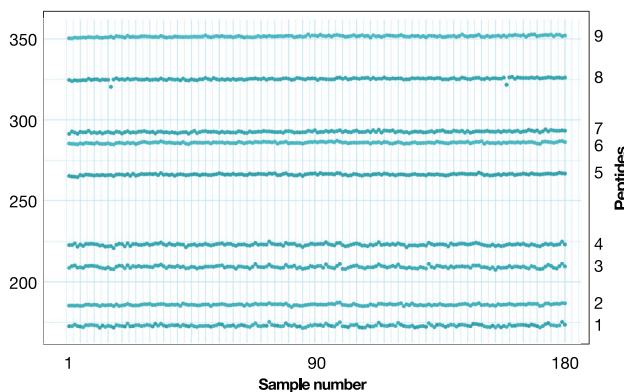


Tryptic digested HeLa cell lysate (80ng) was injected and separated using our 180 samples per day method and with data-dependent acquisition using PASEF, resulted in 3,600 protein identifications (16,000 unique peptide identifications) Figure 1, Figure 2 with highly reproducible peptide retention times between runs Figure 3.

Unrivalled retention time stability.

Robust performance across multiple samples.

Figure 3
Retention time (sec) comparison. 9 peptides, 180 samples.



Aurora Generation 3

UHPLC packed emitter columns

Delivering unrivalled coverage, throughput, sensitivity and reproducibility, Generation 3 Aurora Series™ columns embody all of the strengths of previous generations, augmented by three years of intense research, development and industry collaboration.

Designed by researchers, for researchers.

We've listened. We've collaborated.

Throughout the development of the Generation 3 Aurora Series™ we've included a range of improvements to minimise experiment disruption and increase performance.

- + Integrated packed emitter
- + True-zero pre-column dead volume
- + 'QuickFit' plug and play technology
- + High-pressure fitting holds >1700 bar

Figure 4
Median and standard deviation of FWHM (sec) for peptides.

