

Compare the pair.

Maximum IDs. Shorter gradients.

The Aurora Rapid™ column range achieves IDs previously unimaginable at high throughput, providing significantly less sacrifice in depth of coverage than alternative solutions when short gradients are a must.



Aurora™
RAPID
150

The benefits of microflow chromatography for biomarker research, enabling high throughput without sacrificing IDs.

Product Highlights

- Ultra high throughput
- Micro flow
- High IDs
- System stability

Application(s)

- Large cohorts
- Analytical research
- Biomarker research

5 cm microflow UHPLC packed emitter column with nanoZero® fitting.

(Part No. AUR3-50150C18 / AUR3-50150C18-CS1)

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



Aurora™
RAPID
75

Discover more from less, with extreme sensitivity at short gradients.

Product Highlights

- High throughput
- Nano flow
- Sensitivity
- Analyse more cells in less time

Application(s)

- High throughput analysis of single cell and low sample inputs.

5 cm nanoflow UHPLC packed emitter column with nanoZero® fitting.

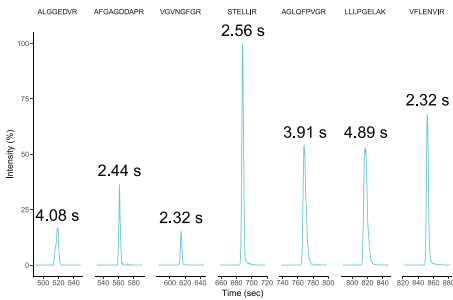
(Part No. AUR3-5075C18 / AUR3-5075C18-CS1)

Column format	Analytical column
Column type	Reversed-phase
For use with	UHPLC
Length	5 cm
Inner Diameter	75 µm
Stationary phase	C18
Pore size	120 Å
Pressure	>1700 bar
Temp. limits	60°C
Particle size	1.7 µm
pH stability	1–8

High-throughput analysis of single cells. Extreme sensitivity using short gradients.

Lightning-fast peaks.

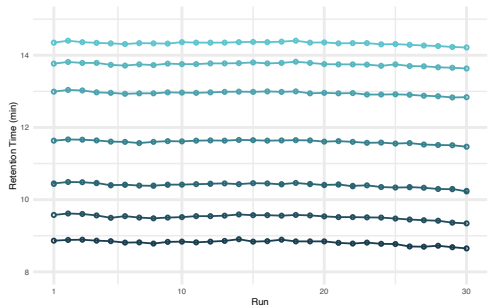
Maximum peak capacity and reproducibility for low sample inputs using short gradients.



A HeLa tryptic digest (1 ng) was separated on an Aurora Rapid75™ column using a Thermo Scientific Vanquish Neo UHPLC and TSQ Quantis across a 15 min sample gradient at 100 nL/min. The extracted ion chromatograms for 7 selected peptides from the analysis are shown. The average Full Width at Half Maximum (FWHM, seconds) for each peptide across 30 runs is shown above each peak.

Unrivalled retention time stability.

Robust performance across multiple samples



The retention times of the 7 peptides analysed in the adjacent figure were plotted across 30 runs to demonstrate retention time stability for the Aurora Rapid75™ column.

Discover more, from less.

Identify more than 1300 proteins from 250 pg of sample, 80 times per day on an Evosep One and timsTOF SCP.

A dilution series of a HeLa tryptic digest was separated on an Aurora Rapid75™ column using an Evosep One and Bruker timsTOF SCP (dia-PASEF) using an 80 samples per day method (currently under development), n = 6. Data courtesy of Dr Christoph Krisp (Bruker), Dorte Bekker-Jensen and Dr Nicolai Bache (Evosep).

