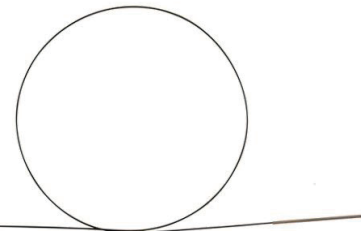




# High-Quality Integrated Nano-LC Columns

INOMIXO high-quality integrated Nano-LC columns are specifically designed for the mass spectrometry analysis of proteome peptides. These columns deliver high peak separation capacity and exceptional sensitivity, ensuring precise and reliable results



## Solution for Neoantigens

Our columns feature a unique integrated emitter design that enhances the flow rate of the mobile phase, thereby improving chromatographic efficiency and significantly boosting performance. Additionally, we have optimized the

packing material, aiming to provide a high-cost-performance solution for separating and analyzing peptides in LC-MS applications.

## Products List

Product No.	Length	Inner Diameter	Adapt-	Inner Diameter	Outer Diameter
1.9 $\mu\text{m}$ C18 120 Å	15 cm	75 $\mu\text{m}$	/	Nanoelute 1/2	HC18230101
1.9 $\mu\text{m}$ C18 120 Å	15 cm	75 $\mu\text{m}$	Yes	Vanquish, U3000	HC18230106
1.9 $\mu\text{m}$ C18 120 Å	25 cm	75 $\mu\text{m}$	/	Nanoelute 1/2	HC18230107
1.9 $\mu\text{m}$ C18 120 Å	25 cm	75 $\mu\text{m}$	Yes	Vanquish, U3000	HC18230108
1.9 $\mu\text{m}$ C18 120 Å	15 cm	150 $\mu\text{m}$	/	Evosep	HC18230104
1.9 $\mu\text{m}$ C18 120 Å	25 cm	150 $\mu\text{m}$	/	Nanoelute 1/2	HC18230110
 1.7 $\mu\text{m}$ C18 100 Å	5 cm	75 $\mu\text{m}$	/	Evosep	HC18230102
 1.7 $\mu\text{m}$ C18 100 Å	15 cm	75 $\mu\text{m}$	/	Evosep	HC18230103
 1.7 $\mu\text{m}$ C18 100 Å	15 cm	75 $\mu\text{m}$	Yes	Vanquish, U3000	HC18230109
 1.7 $\mu\text{m}$ C18 100 Å	15 cm	150 $\mu\text{m}$	/	Evosep	HC18230105

\* 1.7  $\mu\text{m}$  columns optimize chromatography column packing, offering superior protein and peptide identification performance.

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## Customization

- ▶ We offer customizable Nano-LC columns, with options for 75 µm and 150 µm inner diameters and lengths ranging from 5 to 50 cm.

## Application Scenarios

- ▶ INOMIXO Nano-LC Columns are suitable for nano-liter scale chromatography and LC-MS systems, making them ideal for the separation and analysis of macromolecules, peptides, and proteins.
- ▶ Compatible equipment models include the Thermo Scientific™ EASY-nLC™ 1000/1200 series, Bruker nanoElute® series, and Evosep one series.

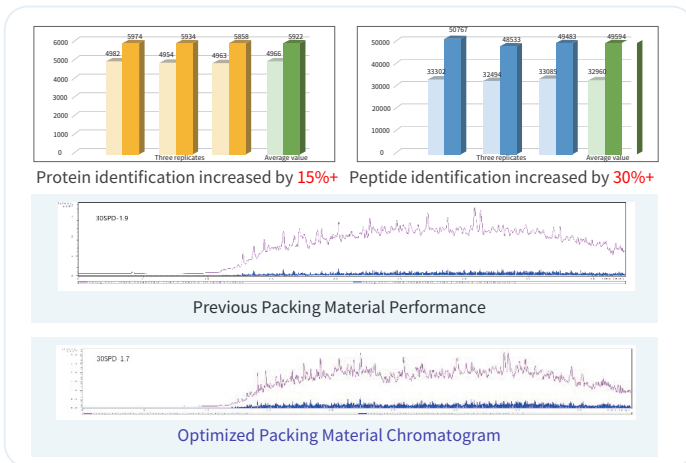
## Superior Product Performance

Compared to our previous product (light color), the optimized packing material in our new column (dark color) delivers superior performance in protein and peptide identification.

We use 200 ng of digested 293T peptides as samples. The conditions included 400 bar pressure, 300 nL/min flow rate, and a column temperature of 60°C.

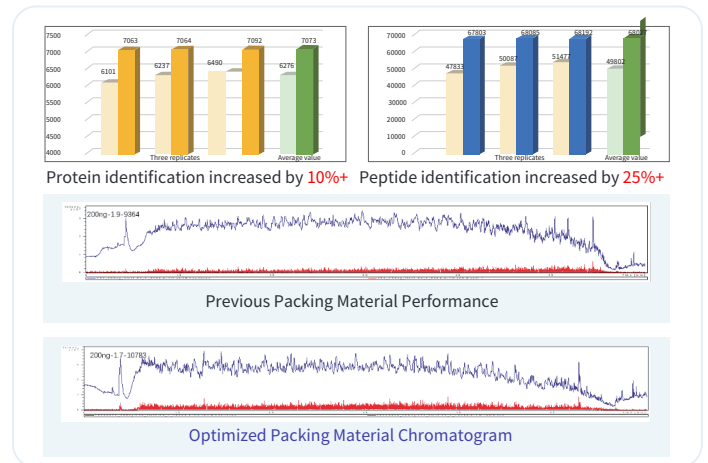
### Test 1

Nano-LC Columns: 360 µm OD x 150 µm ID x 15 cm, 1.7 µm  
Instrument: Bruker timsTOF Pro coupled with Evosep One



### Test 2

Nano-LC Columns: 360 µm OD x 75 µm ID x 25 cm, 1.7 µm  
Instrument: Bruker timsTOF Pro coupled with Nanolute Pro2.



## Validation of neoantigen immunogenicity

INOMIXO Nano-LC Columns are manufactured under a rigorous quality management system, ensuring superior separation performance and consistent batch-to-batch uniformity. This leads to improved identification and reproducibility for macromolecules, peptides, and protein-based therapeutics.

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