



# High-Quality Integrated Nano-LC Colu

\*/0.\*90 IJHI RVBMJUZ JOUFHSBUFE  
 /BOP -\$ DPMVNOT BSF TQFDJæ(DBMMZ  
 EFTJHOFE GPS UIF NBTT TQFDUSPNF  
 USZ BOBMZTJT PG QSPUFFPNF QFQUJEFT  
 5IFTF DPMVNOT EFMJWFS IJHI QFBL  
 TFQBSBUJPO DBQBDJUZ BOE FYDFQ  
 UJPOBM TFOTJUJWJUZ FOTVSJOH QSFDJTF  
 BOE SFMJBCMF SFTVMUT

## Solution for Neoantigens

0VS DPMVNOT GFBUVSF B VOJRVF JOUFHSB  
 UIBU FOIBODFT UIF æ)PX SBUF PG UIF NPCJ  
 JNQSPWJOH DISPBNUPHSBQIJD Fæ\*Djfodz  
 CPPTUJOH QFSGPSNBODF "EEJUJPOBMMZ X

QBDLJOH NBUFSJBM BJJNJOH UP QSPWJEF B IJHI DPTU QFSGPSNBODF  
 QFQUJEFT JO -\$ .4 BQQMJDBUJPOT

## Products List

1SPEVDU /P	-FOO@EUS %JBNEBQS	*OOFS %JBNFUFS	0VU
N \$ ,,, DN	N :FT	/BOPFMVUF )\$	
N \$ ,,, DN	N :FT	7BORVJTI 6 )\$	
N \$ ,,, DN	N :FT	/BOPFMVUF )\$	
N \$ ,,, DN	N :FT	7BORVJTI 6 )\$	
N \$ ,,, DN	N	&WPTFR )\$	
N \$ ,,, DN	N	/BOPFMVUF )\$	
N \$ ,,, DN	N	&WPTFR )\$	
N \$ ,,, DN	N :FT	7BORVJTI 6 )\$	
N \$ ,,, DN	N	&WPTFR )\$	

N DPMVNOT PQUJNJ[F DISPBNUPHSBQIZ DPMVNO QBDLJOH FæFSJOH TVQFSJ  
 QFQJEF JEFOUJæ(DBUJPO QFSGPSNBODF

'PMMPX VT P

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\*/0.\*90 \*OD XXX JOPNJYP

JOGP!JOPNJV

\*/0.\*90



## 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.

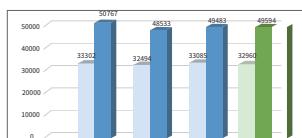
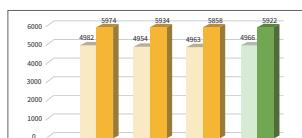
## Superior Product Performance

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.

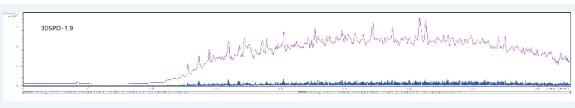
We use 200 ng of digested 293T peptides as samples. The conditions included 400 bar pressure, 300 nL/min flow rate, and a column temperature of 60°C.

### 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



Protein identification increased by 15%+ Peptide identification increased by 30%+



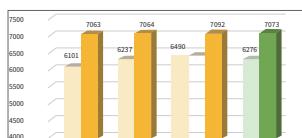
Previous Packing Material Performance



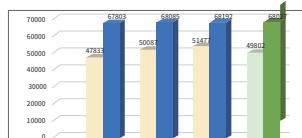
Optimized Packing Material Chromatogram

### 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.



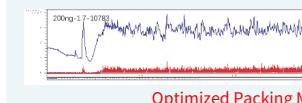
Protein identification increased by 10%+



Peptide identification increased by 25%+



Previous Packing Material Performance



Optimized Packing Material Chromatogram

## 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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INOMIXO Co., Ltd.



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