

# Thermo Scientific™ Acclaim™ PepMap™ columns

## THE STANDARD FOR PEPTIDE SEPARATIONS IN PROTEOMICS

- High resolution protein identification for biomarker discovery, verification or any other analysis
- Highest sensitivity in LC-MS
- Quality control by factory testing all columns
- Thermo Scientific nanoViper fingertight connections for easy column installation

Acclaim PepMap and Acclaim PepMap RSLC columns are specially designed for high-resolution analyses of tryptic, natural, and synthetic peptides. The columns are often applied for LC-MS/MS peptide mapping for protein identification, biomarker discovery, and systems biology. Due to their high loading capacity, the columns are exceptionally suitable for the analysis of low abundant peptides in complex proteomics samples.

PepMap columns are available in separation (analytical) and trap formats.

Separation columns come in diameters for nano (50 and 75 µm), capillary (300 µm) and micro (1000 µm) LC. Different lengths are available from 5cm for high throughput with short micro columns to 50 cm long nano columns for high peak capacity and sensitivity.

Trap columns are available in two formats. The nano trap design features a single capillary with the trap column at the end and is ideal for high resolution separation of relatively clean samples or samples with hydrophilic peptides. The cartridge based trap columns have a wider ID and are ideal for large sample amounts or when sample quality demands more robustness.

PepMap columns employ nanoViper zero-dead-volume (ZDV) fingertight connections that eliminate the assembly of PEEK sleeve connections making it far easier to achieve state-of-the-art nanospray performance and are capable of withstanding pressures up to 1000 bar.

### Separation columns

#### Acclaim PepMap C18 100 Å

Particle size (µm)	Length (mm)	50 µm ID	75 µm ID	300 µm ID	1000 µm ID
2	50	11342023	11392253	11332023	
	150	11352023	11342013	11372013	13486836
	250	13436836	11362013		
	500	13456836	11382013		
3	50	13476836	11342263	13451208	13461208
	150	13466836	11352263	11392263	11302273
	250	13496836	11362263		
	500	13406846	11372263		

### Trap columns (2/set)

#### Acclaim PepMap C18 100 Å

Type	Cat. No	Particle size, µm	ID, µm	Bed length (mm)
nanoViper	11352013	3	75	20
	12749835	3	75	20
	11312263	5	100	20

Note: 12749835 is a shorter total length used for vented column set up for example with EASY nLC 1000

### Trap Cartridges (Set of 5) and holder

#### Acclaim PepMap C18 100 Å

Length (mm)	300 µm ID	Length (mm)	300 µm ID
5	11362113	5	13264509

µ-Precolumn™ holder, 5mm, with 30µm i.d. connecting tubing, nanoViper fittings

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