

Vydac MS

Vydac MS is a further development of the Vydac range for reversed-phase separation of biomolecules. A proprietary surface treatment and bonding process give Vydac MS columns unique selectivity. A variety of reversed-phases makes this product line suitable for the analysis of small peptides to large intact proteins.

Key Features

- 300 Å pore size spherical silica
- Four reversed-phase chemistries
- Excellent peak shape with little or no TFA
- High protein recoveries make scale-up easy

Vydac MS Phase Specifications

Phase	Functional group	Particle size / μm	Properties	Applications	USP code
218MS	C18	5, 10	Polymeric bonding, highest hydrophobic interaction and unique geometric selectivity	Use for simple enzymatic digests (<12 proteins) or biomolecules 0–5 kDa MW	L1
238MS	C18	5	Monomeric bonding offers increased peptide interaction and generally yields higher peak counts	Use for same applications as 218MS, but offers different C18 selectivity	L1
208MS	C8	5, 10	Lower hydrophobicity is better for larger biomolecules	Ideal for biomolecules 5–10 kDa MW	L7
214MS	C4	5, 10	Lower capacity than C18 or C8, suitable for hydrophobic proteins or when minimal organic solvent is desired	Ideal for biomolecules >10 kDa MW, intact proteins, antibodies, oligonucleotides, human growth hormone	L26

Ordering Information

Capillary Columns

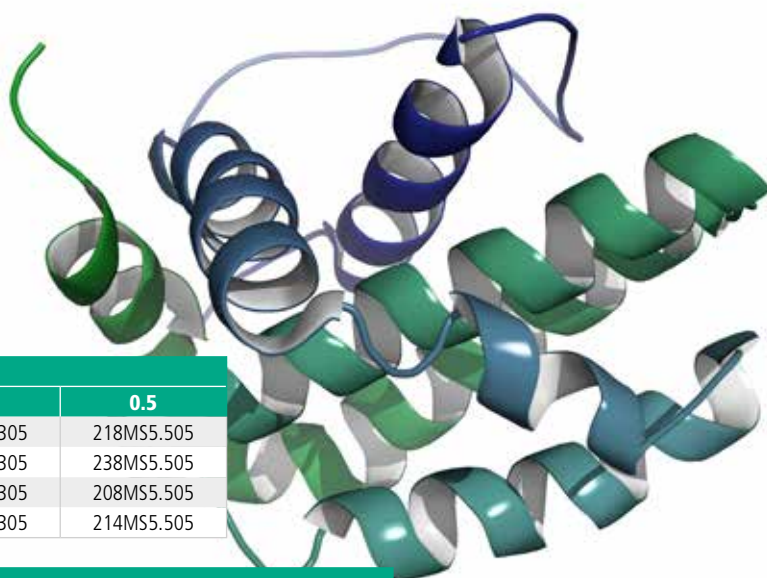
5 μm

Length / mm	50			
i.d. / mm	0.075	0.15	0.3	0.5
218MS	218MS5.07505	218MS5.1505	218MS5.305	218MS5.505
238MS	238MS5.07505	238MS5.1505	238MS5.305	238MS5.505
208MS	208MS5.07505	208MS5.1505	208MS5.305	208MS5.505
214MS	214MS5.07505	214MS5.1505	214MS5.305	214MS5.505

Length / mm	100				
i.d. / mm	0.075	0.1	0.15	0.3	0.5
218MS	218MS5.07510	–	218MS5.1510	218MS5.310	218MS5.510
238MS	238MS5.07510	–	238MS5.1510	238MS5.310	238MS5.510
208MS	208MS5.07510	208MS5.1010	208MS5.1510	208MS5.310	208MS5.510
214MS	214MS5.07510	–	214MS5.1510	214MS5.310	214MS5.510

Length / mm	150			
i.d. / mm	0.075	0.15	0.3	0.5
218MS	218MS5.07515	218MS5.1515	218MS5.315	218MS5.515
238MS	238MS5.07515	238MS5.1515	238MS5.315	238MS5.515
208MS	208MS5.07515	208MS5.1515	208MS5.315	208MS5.515
214MS	214MS5.07515	214MS5.1515	214MS5.315	214MS5.515

Length / mm	250			
i.d. / mm	0.075	0.15	0.3	0.5
218MS	218MS5.07525	218MS5.1525	218MS5.325	218MS5.525
238MS	238MS5.07525	238MS5.1525	238MS5.325	238MS5.525
208MS	208MS5.07525	208MS5.1525	208MS5.325	208MS5.525
214MS	214MS5.07525	214MS5.1525	214MS5.325	214MS5.525



Analytical Columns

5 µm

Length / mm	20		50		
i.d. / mm	2.1	4.6	1.0	2.1	4.6
218MS	218MS5202	218MS5402	218MS5105	218MS5205	218MS5405
238MS	–	–	238MS5105	238MS5205	–
208MS	–	–	208MS5105	208MS5205	–
214MS	–	–	214MS5105	214MS5205	214MS5405

Length / mm	100			
i.d. / mm	1.0	2.1	3.0	4.6
218MS	218MS5110	218MS5210	218MS5310	218MS5410
238MS	238MS5110	238MS5210	–	238MS5410
208MS	208MS5110	208MS5210	–	–
214MS	214MS5110	214MS5210	214MS5310	214MS5410

Length / mm	150				200
i.d. / mm	1.0	2.1	3.0	4.6	1.0
218MS	218MS5115	218MS5215	–	218MS5415	218MS5120
238MS	238MS5115	238MS5215	–	238MS5415	–
208MS	208MS5115	208MS5215	208MS5315	208MS5415	–
214MS	214MS5115	214MS5215	214MS5315	214MS5415	–

Length / mm	250			
i.d. / mm	1.0	2.1	3.0	4.6
218MS	218MS51	218MS52	218MS53	218MS54
238MS	238MS51	238MS52	–	238MS54
208MS	208MS51	208MS52	–	208MS54
214MS	214MS51	214MS52	214MS53	214MS54

Length / mm	Guard cartridges (2/pk) ¹			Guard cartridge kits ²		
	For 1.0	For 2.1	For 3.0-4.6	For 1.0	For 2.1	For 3.0-4.6
218MS	218GD51MS/N	218GD52MS/N	218GD54MS/N	218GK51MS/N	218GK52MS/N	218GK54MS/N
238MS	238GD51MS/N	238GD52MS/N	238GD54MS/N	238GK51MS/N	238GK52MS/N	238GK54MS/N
208MS	208GD51MS/N	208GD52MS/N	208GD54MS/N	208GK51MS/N	208GK52MS/N	208GK54MS/N
214MS	214GD51MS/N	214GD52MS/N	214GD54MS/N	214GK51MS/N	214GK52MS/N	214GK54MS/N

¹To be used with All-Guard cartridge holder (80101/N) and column coupler for All-Guard cartridges (HI-081).

²Includes holder (80101/N), column coupler (HI-081), and 1 guard cartridge.

10 µm

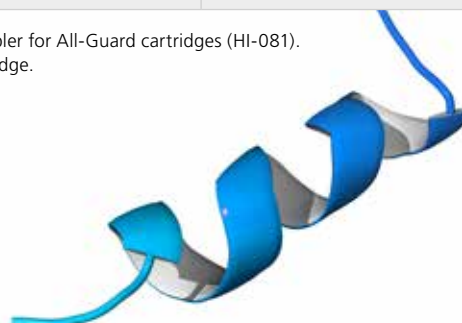
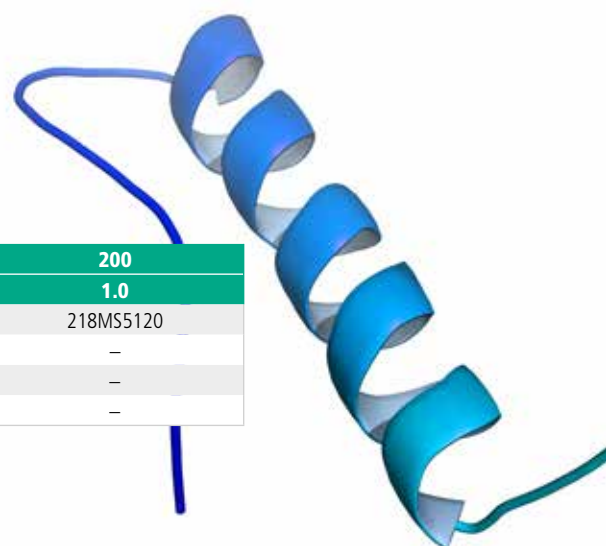
Length / mm	250		Guard cartridges (2/pk) ¹	Guard cartridge kits ²
i.d. / mm	1.0	4.6	For 3.0-4.6	For 3.0-4.6
218MS	218MS101	218MS104	218GD104MS/N	218GK104MS/N
208MS	–	208MS104	–	–
214MS	–	214MS104	–	–

¹To be used with All-Guard cartridge holder (80101/N) and column coupler for All-Guard cartridges (HI-081).

²Includes holder (80101/N), column coupler (HI-081), and 1 guard cartridge.

10–15 µm

Length / mm	250
i.d. / mm	4.6
214MS	214MS10154





Semi-preparative and Preparative Columns

5 µm

Length / mm	250
i.d. / mm	10
218MS	218MS510
208MS	208MS510
214MS	214MS510

10 µm

Length / mm	150		250	
	22	10	10	22
218MS	218MS102215	218MS1010	218MS1010	218MS1022
208MS	208MS102215	–	–	208MS1022
214MS	–	214MS1010	214MS1010	214MS1022

10–15 µm

Length / mm	250	Guard cartridges – 12 µm (2/pk) ¹
i.d. / mm	22	For 22
214MS	214MS101522	214FSK1210MS

¹To be used with semi-prep guard holder (GCH10) and column coupler for All-Guard cartridges (HI-081).

For column dimensions not listed here,
please contact
+44 (0)118 930 3660 or
technical@hichrom.co.uk
to discuss your requirements