

Vydac® 300Å Reversed Phase Protein Purification Media

**purification
technologies**

Product Information Sheet

Vydac® Chromatographic Media

300Å Reversed Phase Protein Purification Media

Pioneered by Grace and produced by a unique process based on purified oranosilicate starting materials, Vydac® silicas are well defined, high purity, totally porous separation media that meet the most demanding needs of preparative and process scale users. Proven in over two decades of applications for protein, peptide, and nucleic acid separations, Vydac® 300Å reversed-phase media have excellent selectivity and reproducibility. Bulk Vydac® adsorbents incorporate bonded phase chemistries identical to those in Vydac® brand analytical and prep HPLC columns, thereby assuring economical method development and reliable, dependable scale-up for preparative and process chromatographic applications.

Vydac "MS" phases undergo a special treatment prior to bonding that reduces the residual polar activity of the silica surface. For many applications this results in improved resolution and an increase in protein recovery.



Vydac® MS Phases and Ordering Information*

Bonded Chemistry	Butylsilane C4	Octylsilane C8	Octadecylsilane C18
Particle Size:	214MS	208MS	218MS
10–15µm	214MSB1015	208MSB1015	218MSB1015
15–20µm	214MSB1520	208MSB1520	218MSB1520
20–30µm	214MSB2030	208MSB2030	218MSB2030

*Available in 10g increments.

Vydac® Media Specifications

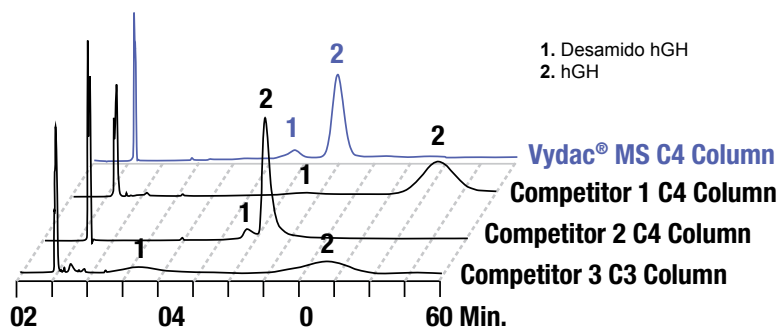
Pore Size:	300Å
Pore Volume:	0.6mL/g
Surface Area:	90m ² /g
Particle Shape:	Spheroidal

Unsurpassed Resolution and Peak Symmetry

Vydac® MS C4 columns provide the overall best performance for hGH and desamido hGH analysis. Competitive columns show significant, undesirable interaction of hGH with the stationary phase.

Columns: All 300Å, 4.6 x 250mm
Mobile Phase: Isocratic, 71% 50mM Tris, pH 7.5, 29% n-propanol
Flow Rate: 0.5mL/min
Detector: UV at 220nm
Column Temp: 45°C
Injection Vol: 20µl of a 1mg/mL preparation

Human Growth Hormone (hGH) Assay Columns



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