Jordi Peptide Protein Resin

Reverse Phase Separations of Proteins and Peptides

Long Column Lifetimes
Reproducible Lot to Lot
Sterilizable Surface
Scalable Solution from Analytical to Preparative

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4 Mill St, Bellingham, MA. 02019 USA

Jordi Peptide Protein columns were designed for the reverse phase analysis of peptides and proteins. The support material consists of a hydrophilically modified polyamide resin and thus utilizes the same chemistry contained in protein repeat units. Hydrophobic groups have been introduced to aid in protein retention.

Jordi Peptide Protein resin maintains all the benefits of other Jordi products including:

- *Complete pH Stability (0-14)*
- *Reproducible Surface Chemistry Batch to Batch*
- *Temperature Stability (up to 100 °C)*
- *Pressure Stability (2500 psi)*
- *Long Column Lifetimes*
- *Wide Solvent Range (aqueous - organic)*
- *Sterilizable Cleanable Surface Using Alkaline Solutions*
- *Large Batch Sizes Allowing Thousands of Columns From a Single Batch or Preparative Scale-Up*

Nearly any Buffer system or solvent can be used including:

- *TRIS*
- *Phosphate*
- *Acetic Acid*
- *Trifluoroacetic Acid*
- *Water*
- *Acetonitrile*
- *Methanol*
- *Tetrahydrofuran*

The use of trifluoroacetic acid can often be replaced with 1-4% acetic acid.

Jordi Peptide Protein Columns — Separate proteins and peptides using stable polyamide chemistry.

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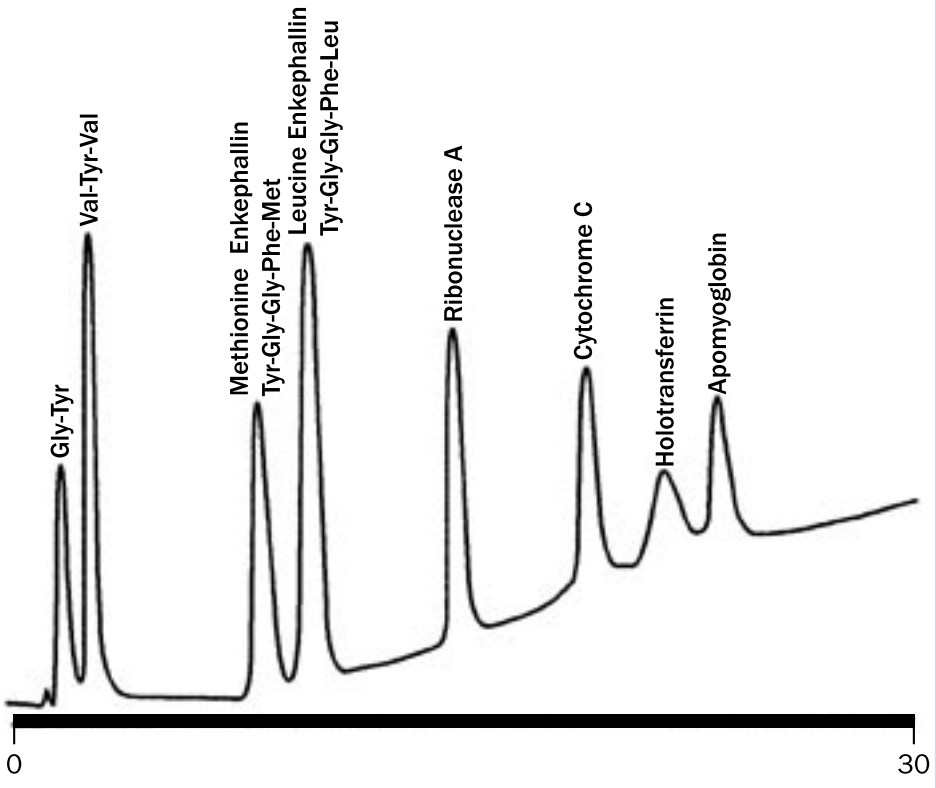
Peptide and Protein Mixture

Packing:	Jordi Peptide Protein Gel
Column:	4.6 x 100mm
Gradient:	80/20→40/60 A/B 30 minutes linear
Solvent:	a: .15% TFA in H_2O
	b: .15% TFA in ACN
Flow Rate:	1.0 mL/min
Temp:	Ambient
Injection:	40µL Protein Stds. Mix Sigma PN H-2899
	40µL Peptide Stds. Mix Sigma PN H-2016
Conc:	Protein Stds. Diluted to 4mL in 75/25 A/B



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Membrane Proteins