

COSMOSIL HIC

- Separate based on differences in hydrophobicity
- Little loss in enzyme activity and the tertiary structure of proteins

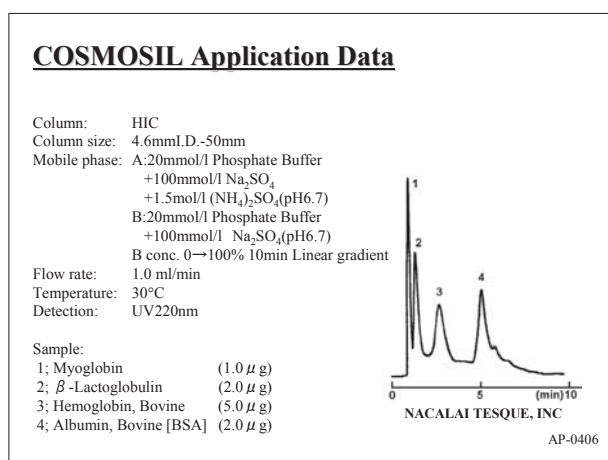
Specifications

Packing Material	HIC
Silica Gel	High Purity Porous Spherical Silica
Average Particle Size	5 μm
Average Pore Size	approx. 300 \AA
Specific Surface Area	approx. 150 m^2/g
Main Interaction	Hydrophobic Interaction

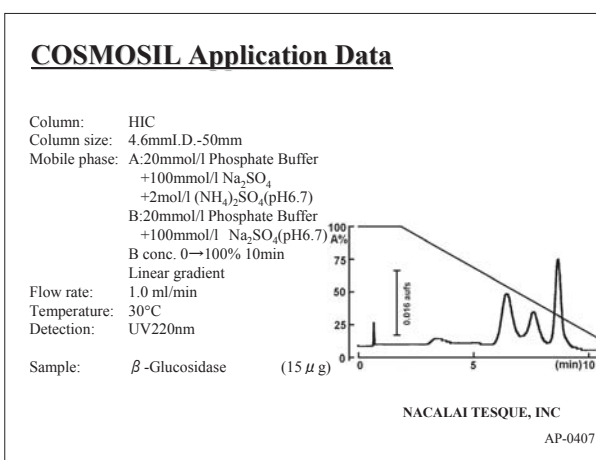
Applications

A buffer with high salt concentration, usually 1–2 mol/l of $(\text{NH}_4)_2\text{SO}_4$, is used as an initial mobile phase for adsorption of samples to a weakly hydrophobic stationary phase. The elution is done with a decreasing salt gradient. The application in lower left shows myoglobin elutes first than BSA under the buffer with high salt concentration, suggesting that myoglobin is less hydrophobic than BSA.

• Separation of Protein Standards



• Separation of β -Glucosidase



Ordering Information

- Analytical / Preparative Column (Particle Size: 5 μm)

COSMOSIL 5HIC Packed Column

Column Size I.D. x Length (mm)	Product Number
4.6 x 50	04263-21