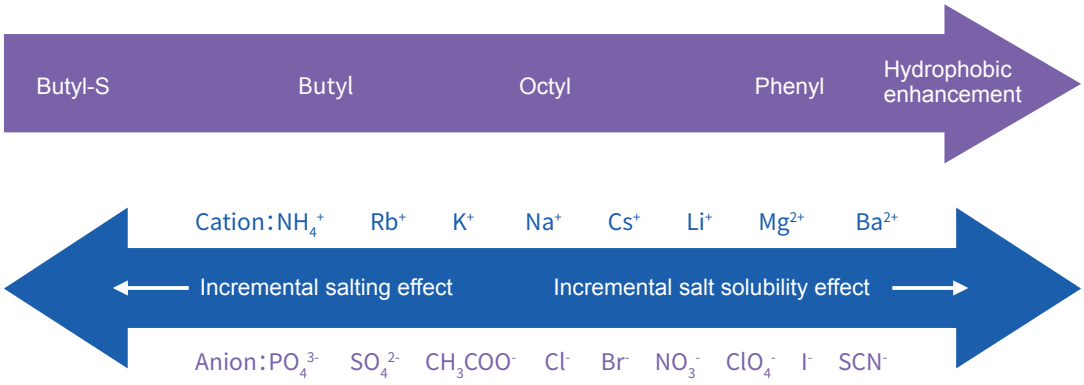
Hydrophobic interaction resins separates proteins based on differences in hydrophobicity, i.e., based on reversible interactions between proteins and hydrophobic groups on the surface of hydrophobic interaction resins. Hydrophobicity isenhanced at high ionic strengths and therefore binding in a high ionic strength environment is usually eluted by reducing the ionic strength. The unique adsorption separation mode makes hydrophobic interaction resins an ideal purification method after ammonium sulfate chromatography or after ion exchange high salt elution.

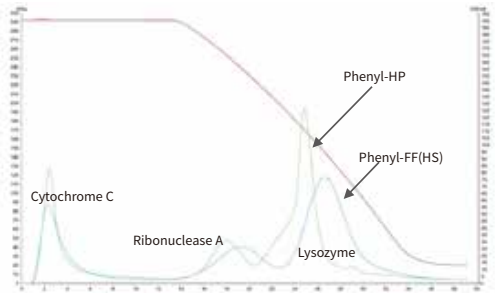


Product number	Product name	Spec	Ligand concentration μmol/mL	Particle size range μm	Maximum flow rate (cm/h)	Withstand pressure MPa	pH stability long-term [short-term]	Application characteristics
HS060301025M	Phenyl Focurose FF (LS)	25mL	20	45-165	400	⩽0.3	3-13 [2-14]	Suitable for aromatic-containing aromatic ligands proteins
HS060301100M		100mL						
HS060301500M		500mL						
HS060301001L		1L						
HS060301005L		5L						
HS060301020L		20L						
HS060302025M	Phenyl Focurose FF (HS)	25mL	40	45-165	400	⩽0.3	3-13 [2-14]	High hydrophobicity and high loading capacity, suitable for aromatic ligands biomolecules
HS060302100M		100mL						
HS060302500M		500mL						
HS060302001L		1L						
HS060302005L		5L						
HS060302020L		20L						

Application Cases

Phenyl Focurose FF (HS) and Phenyl Focurose HP isolation of different hydrophobic proteins

Sample: 4mg/mL of mixed protein (Cytochrome C: Ribonuclease A:Lysozyme=1:2:1)
Column: HT01,1.0mL
Equilibrium solution: 0.1M Na2HPO4, 1.7M (NH4)2SO4, pH7.0
Elution solution: 0.1M Na2HPO4, pH7.0
Flow rate: 1mL/mim



Tips

★ Different ligands and ligand concentration resins have different hydrophobic forces.
★ The salt concentration in the buffer is different for different protein hydrophobic interaction resins, or for purification using different hydrophobic interaction resins.
★ Temperature and pH have a great influence on protein hydrophobicity, and the pH and temperature should be constant during hydrophobic interaction resins.

Pre-assembled column ordering information

Product name	Spec	Product number	Product name	Spec	Product number
Phenyl Focurose FF (LS)	1mL	HS060301001E	Phenyl Focurose FF (HS)	1mL	HS060302001E
	5mL	HS060301005E		5mL	HS060302005E