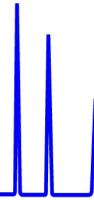




ZirChrom®

Technical
Bulletin #245



... For Peak Performance

Characteristics of ZirChrom Ion Exchange Phases

Type	Characteristic	WCX	SHAX	SAX	WAX	PEZ
Physical	High pH Stability	Fair	Excellent	Excellent	Fair	Fair
	Low pH Stability	Excellent	Excellent	Excellent	Fair	Excellent
	High Temp Stability	Very Good	Very Good	Very Good	Fair	Very Good
	Charge Density / Retentivity	Highest	High	Highest	Moderate	Moderate
Similarity to Other Ion Exchangers	Silica Based Anion	NA	Close	Different	Close	NA
	Polymer Based Anion	NA	Different	Close	Different	NA
	Polymer Based Sulfonic Acid Cation	Different	NA	NA	NA	Different
	Polymer Based Carboxylic Acid Cation	Different	NA	NA	NA	Different
Selectivity	For Protein Purification	Good	Fair	Poor	Fair	Excellent
	Nucleic Acid	NA	Good	Best	Good	NA
	Organic Anion	NA	Good	Good	Good	NA
	Organic Cation	Good	NA	NA	NA	Good
	Inorganic Anion	NA	Good	Good	Good	NA

