



Prepacked chromatography columns/formats—reference guide

For chromatography systems



Chromatography technique	Base matrix	HiTrap™	HiScreen™	HiPrep™	HiLoad™	RESOURCE™	Tricorn™ (GL/PE)	Precision columns
Affinity	Sepharose™ 4B Sephacryl™ Sephacryl™ Sephacryl™ Sephacryl™ Sephacryl™	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓	✓				
Desalting	Sephadex™	✓ (≤ 1.5 ml ¹)		✓ (≤ 15 ml ¹)				
Size exclusion/ Gel filtration	Superdex™, Superdex Increase Superose™, Superose 6 Increase Superdex Prep Grade Sephacryl™			✓	✓		✓ ✓	✓ ✓
Ion exchange	Sepharose HP, Sepharose FF Capto, Capto ImpRes Capto S ImpAct MonoBeads™ MiniBeads™ SOURCE™ 15	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓		✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓
Hydrophobic interaction	SOURCE 15 Sephacryl HP, Sepharose FF Capto, Capto ImpRes	✓ ✓	✓	✓		✓ ✓		
Multimodal	Capto, Capto ImpRes	✓	✓					
Available as empty columns					(XX)		(GL)	
System compatibility		ÅKTA™ pure ÅKTA start ÅKTAexpress ÅKTAprime plus ÅKTApurifier ² ÅKTAexplorer ³ ÅKTAFFPLC ⁴	ÅKTA avant ÅKTA pure 150 ÅKTApurifier 100 ² ÅKTAexplorer 100 ³	ÅKTA pure ÅKTA start ⁵ ÅKTA avant ÅKTAexpress ÅKTAprime plus ÅKTApurifier ² ÅKTAexplorer ³ ÅKTAFFPLC ⁴	ÅKTA pure ÅKTA avant ÅKTAexpress ÅKTAprime plus ÅKTApurifier ² ÅKTAexplorer ³ ÅKTAFFPLC ⁴	ÅKTA pure ÅKTAmicro ⁶ ÅKTApurifier 10 ² ÅKTAexplorer 10 ³ ÅKTAFFPLC ⁴	ÅKTA pure 25 ÅKTAexpress ÅKTAmicro ⁶ ÅKTApurifier 10 ² ÅKTAexplorer 10 ³ ÅKTAFFPLC ⁴	ÅKTA pure 25 ÅKTAmicro ⁶ ÅKTApurifier 10 ² ÅKTAexplorer 10 ³

¹ Sample volume

² ÅKTApurifier has been discontinued and replaced by ÅKTA pure

³ ÅKTAexplorer has been discontinued and replaced by ÅKTA avant

⁴ ÅKTAFFPLC has been discontinued and replaced by ÅKTA pure 25

⁵ HiPrep 26/60 can be used but is not optimal

⁶ ÅKTAmicro has been discontinued and replaced by ÅKTA pure 25 with microgram-scale purification flow path

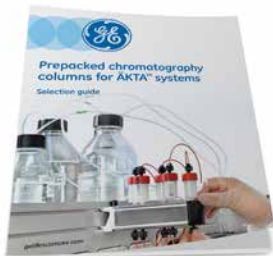


For manual use



Chromatography technique	Base matrix	HiTrap™ Easy to use with a syringe	SpinTrap™ Screening and quick desalting of small sample quantities using a benchtop centrifuge	MultiTrap™ High-throughput screening and small-scale purification using centrifuge or vacuum equipment	GraviTrap™ Simple one-step purification of proteins without the need for equipment	MiniTrap™ Simple one-step desalting of proteins without the need for equipment	MidiTrap™ Simple one-step desalting of proteins without the need for equipment	PD-10 Desalting Simple one-step desalting of proteins without the need for equipment	Mag Sepharose™ Small-scale purification and screening using a magnetic device
Affinity	Sepharose 4B Sepharose HP Sepharose FF MabSelect™ Capto™ Mag Sepharose	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓				✓
Desalting	Sephadex™	✓ (≤ 1.5 ml ¹)	✓ (≤ 130 µl ¹)	✓ (≤ 130 µl ¹)		✓ (≤ 0.5 ml ¹)	✓ (≤ 1.0 ml ¹)	✓ (≤ 2.5 ml ¹)	
Ion exchange	Sepharose HP, Sepharose FF Capto, Capto ImpRes Capto S ImpAct	✓ ✓ ✓							
Hydrophobic Interaction	Sepharose HP, Sepharose FF Capto, Capto ImpRes	✓ ✓							
Multimodal	Capto, Capto ImpRes	✓							
Available as empty columns			✓ (empty MicroSpin™ columns)		✓ (empty PD-10 columns)			✓ (empty PD-10 columns)	

¹ Sample volume



Prepacked chromatography columns for ÄKTA systems, Selection Guide 28931778



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