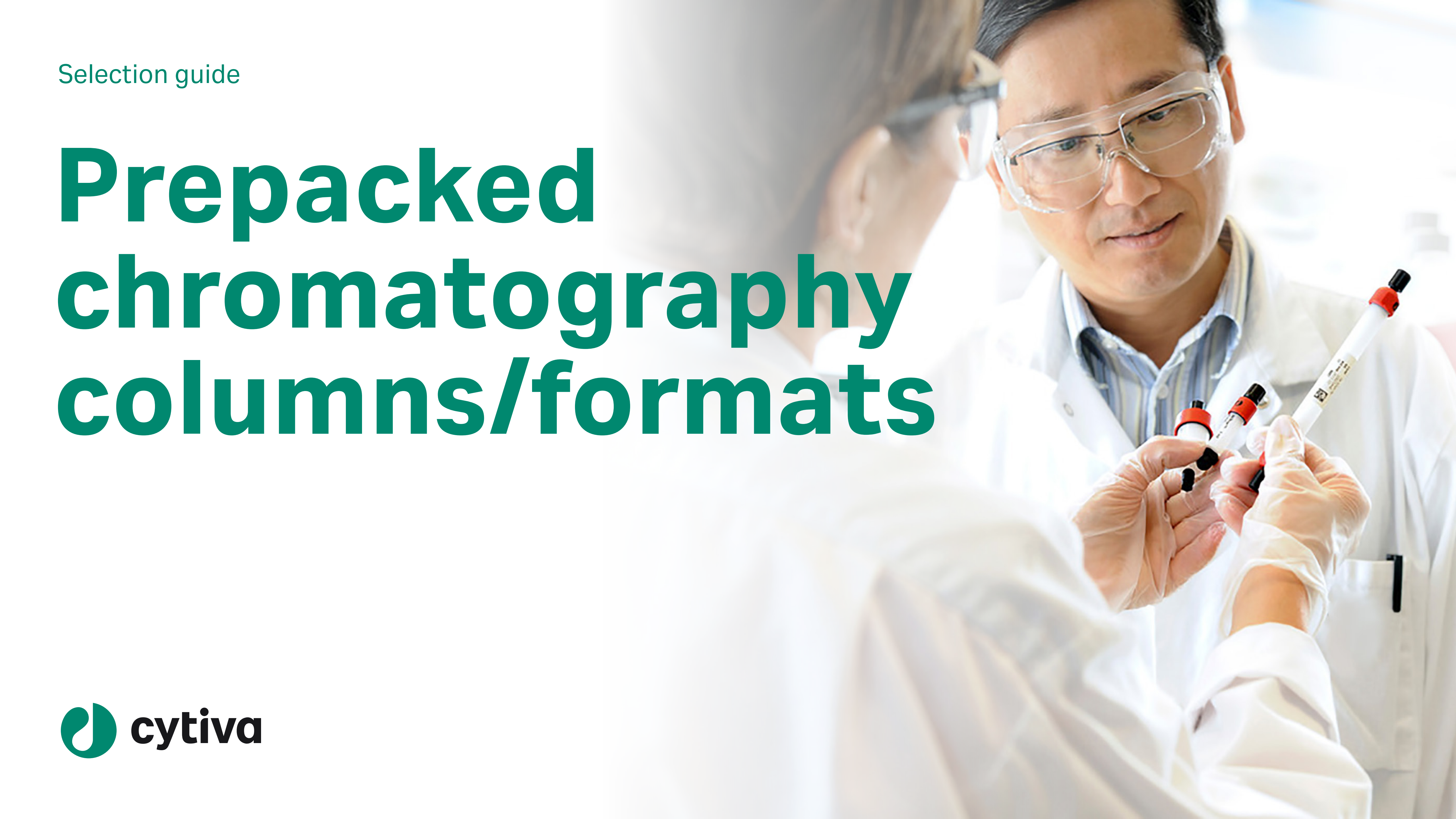


Selection guide

# Prepacked chromatography columns/formats



# For chromatography systems



Chromatography technique	Base matrix	HiTrap™	HiScreen™	HiPrep™	HiLoad™	RESOURCE™	Tricorn™ (GL/PE)	Precision columns
		Easy to use with a syringe, peristaltic pump, or chromatography system	Optimized for method and process development	Convenient scale-up Preparative size exclusion chromatography	Preparative purification with high resolution	Fast with good resolution	High quality and high resolution	Micro-purification and analysis
Affinity	Sepharose™ 4B Sepharose High Performance (HP) Sepharose Fast Flow (FF) MabSelect™ Capto™	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓				
Desalting	Sephadex™	✓ (≤ 1.5 mL <sup>1</sup> )		✓ (≤ 15 mL <sup>1</sup> )				
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 Sepharose HP, Sepharose FF Capto, Capto ImpRes	✓ ✓	✓	✓		✓		
Multimodal	Capto, Capto ImpRes	✓	✓					
Available as empty columns					✓ (XK)		✓ (GL)	
System compatibility		ÄKTA™ pure ÄKTA start ÄKTAxpress ÄKTAprime plus ÄKTApurifier <sup>2</sup> ÄKTAexplorer <sup>3</sup> ÄKTAFLC <sup>4</sup>	ÄKTA avant ÄKTA pure 150 ÄKTApurifier 100 <sup>2</sup> ÄKTAexplorer 100 <sup>3</sup>	ÄKTA pure ÄKTA start <sup>5</sup> ÄKTA avant ÄKTAxpress ÄKTAprime plus ÄKTApurifier <sup>2</sup> ÄKTAexplorer <sup>3</sup> ÄKTAFLC <sup>4</sup>	ÄKTA pure ÄKTA avant ÄKTAxpress ÄKTAprime plus ÄKTApurifier <sup>2</sup> ÄKTAexplorer <sup>3</sup> ÄKTAFLC <sup>4</sup>	ÄKTA pure ÄKTAmicro <sup>6</sup> ÄKTApurifier 10 <sup>2</sup> ÄKTAexplorer 10 <sup>3</sup> ÄKTAFLC <sup>4</sup>	ÄKTA pure 25 ÄKTAxpress ÄKTAmicro <sup>6</sup> ÄKTApurifier 10 <sup>2</sup> ÄKTAexplorer 10 <sup>3</sup> ÄKTAFLC <sup>4</sup>	ÄKTA pure 25 ÄKTAmicro <sup>6</sup> ÄKTApurifier 10 <sup>2</sup> ÄKTAexplorer 10 <sup>3</sup>

<sup>1</sup> Sample volume

<sup>2</sup> ÄKTApurifier has been discontinued and replaced by ÄKTA pure

<sup>3</sup> ÄKTAexplorer has been discontinued and replaced by ÄKTA avant

<sup>4</sup> ÄKTAFLC has been discontinued and replaced by ÄKTA pure 25

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

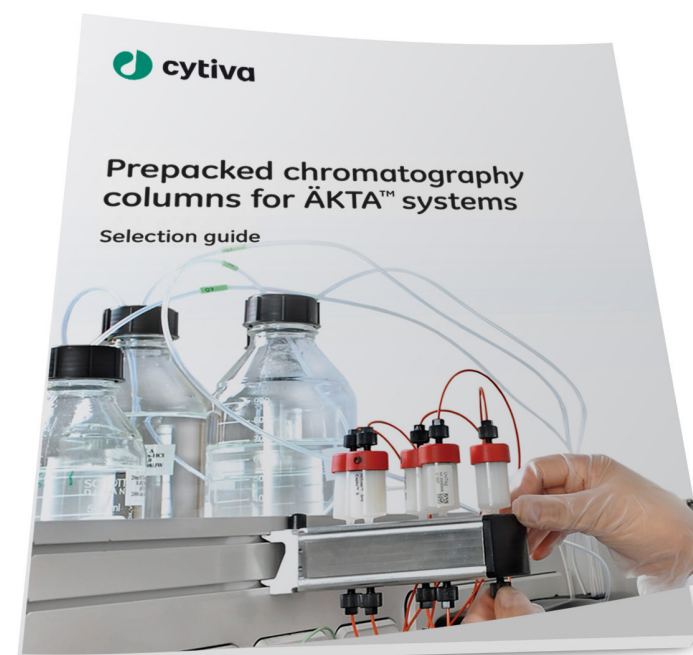
<sup>6</sup> ÄKTAmicro has been discontinued and replaced by ÄKTA pure 25 with microgram-scale purification flow path

## For manual use



		HiTrap	SpinTrap™	MultiTrap™	GraviTrap™	MiniTrap™	MidiTrap™	PD-10 Desalting	Mag Sepharose
Chromatography technique	Base matrix	Easy to use with a syringe	Screening and quick desalting of small sample quantities using a benchtop centrifuge	High-throughput screening and small-scale purification using centrifuge or vacuum equipment	Simple one-step purification of proteins without the need for equipment	Simple one-step desalting of proteins without the need for equipment	Simple one-step desalting of proteins without the need for equipment	Simple one-step desalting of proteins without the need for equipment	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 <sup>1</sup> )	✓ (≤ 130 µl <sup>1</sup> )	✓ (≤ 130 µl <sup>1</sup> )		✓ (≤ 0.5 mL <sup>1</sup> )	✓ (≤ 1.0 mL <sup>1</sup> )	✓ (≤ 2.5 mL <sup>1</sup> )	
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)	

<sup>1</sup> Sample volume



Prepacked chromatography columns for ÄKTA systems, Selection Guide **28931778**



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