



# 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<br>Sephacryl™<br>Sephacryl™<br>Sephacryl™<br>Sephacryl™<br>Sephacryl™                           | ✓<br>✓<br>✓<br>✓<br>✓   | ✓<br>✓<br>✓<br>✓  | ✓   |  |   |   |  |
| Desalting                         | Sephadex™   | ✓ (≤ 1.5 ml <sup>1</sup> )  |   | ✓ (≤ 15 ml <sup>1</sup> )   |  |   |   |  |
| Size exclusion/<br>Gel filtration | Superdex™, Superdex Increase<br>Superose™, Superose 6 Increase<br>Superdex Prep Grade<br>Sephacryl™           |   |   | ✓   | ✓  |   | ✓<br>✓  | ✓<br>✓   |
| Ion exchange                      | Sepharose HP, Sepharose FF<br>Capto, Capto ImpRes<br>Capto S ImpAct<br>MonoBeads™<br>MiniBeads™<br>SOURCE™ 15 | ✓<br>✓<br>✓   | ✓<br>✓<br>✓   | ✓   |  | ✓   | ✓<br>✓  | ✓<br>✓   |
| Hydrophobic interaction           | SOURCE 15<br>Sephacryl HP, Sepharose FF<br>Capto, Capto ImpRes  | ✓<br>✓  | ✓   | ✓   |  | ✓   |   |  |
| Multimodal                        | Capto, Capto ImpRes   | ✓   | ✓   |   |  |   |   |  |
| Available as empty columns        |   |   |   |   | (XX)   |   | (GL)  |  |
| System compatibility              |   | ÅKTA™ pure<br>ÅKTA start<br>ÅKTAexpress<br>ÅKTAprime plus<br>ÅKTApurifier <sup>2</sup><br>ÅKTAexplorer <sup>3</sup><br>ÅKTAFFPLC <sup>4</sup> | ÅKTA avant<br>ÅKTA pure 150<br>ÅKTApurifier 100 <sup>2</sup><br>ÅKTAexplorer 100 <sup>3</sup> | ÅKTA pure<br>ÅKTA start <sup>5</sup><br>ÅKTA avant<br>ÅKTAexpress<br>ÅKTAprime plus<br>ÅKTApurifier <sup>2</sup><br>ÅKTAexplorer <sup>3</sup><br>ÅKTAFFPLC <sup>4</sup> | ÅKTA pure<br>ÅKTA avant<br>ÅKTAexpress<br>ÅKTAprime plus<br>ÅKTApurifier <sup>2</sup><br>ÅKTAexplorer <sup>3</sup><br>ÅKTAFFPLC <sup>4</sup> | ÅKTA pure<br>ÅKTAmicro <sup>6</sup><br>ÅKTApurifier 10 <sup>2</sup><br>ÅKTAexplorer 10 <sup>3</sup><br>ÅKTAFFPLC <sup>4</sup> | ÅKTA pure 25<br>ÅKTAexpress<br>ÅKTAmicro <sup>6</sup><br>ÅKTApurifier 10 <sup>2</sup><br>ÅKTAexplorer 10 <sup>3</sup><br>ÅKTAFFPLC <sup>4</sup> | ÅKTA pure 25<br>ÅKTAmicro <sup>6</sup><br>ÅKTApurifier 10 <sup>2</sup><br>ÅKTAexplorer 10 <sup>3</sup> |

<sup>1</sup> Sample volume

<sup>2</sup> ÅKTApurifier has been discontinued and replaced by ÅKTA pure

<sup>3</sup> ÅKTAexplorer has been discontinued and replaced by ÅKTA avant

<sup>4</sup> ÅKTAFFPLC has been discontinued and replaced by ÅKTA pure 25

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

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

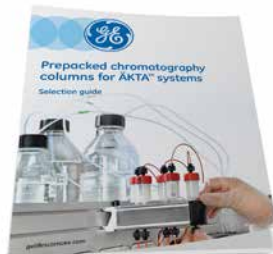


For manual use



| Chromatography technique   | Base matrix   | HiTrap™                    | SpinTrap™                       | MultiTrap™                 | GraviTrap™                 | MiniTrap™                  | MidiTrap™                  | PD-10 Desalting            | Mag Sepharose™ |
|----------------------------|---|----------------------------|---------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------|
| Affinity                   | Sepharose 4B<br>Sephacryl HP<br>Sephacryl FF<br>MabSelect™<br>Capto™<br>Mag Sepharose | ✓<br>✓<br>✓<br>✓<br>✓      | ✓<br>✓<br>✓                     | ✓<br>✓<br>✓                | ✓                          |                            |                            |                            | ✓              |
| 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<br>Capto, Capto ImpRes<br>Capto S ImpAct                   | ✓<br>✓<br>✓                |                                 |                            |                            |                            |                            |                            |                |
| Hydrophobic Interaction    | Sepharose HP, Sepharose FF<br>Capto, Capto ImpRes                                     | ✓<br>✓                     |                                 |                            |                            |                            |                            |                            |                |
| Multimodal                 | Capto, Capto ImpRes   | ✓                          |                                 |                            |                            |                            |                            |                            |                |
| Available as empty columns |   |                            | ✓<br>(empty MicroSpin™ columns) |                            | ✓<br>(empty PD-10 columns) |                            |                            | ✓<br>(empty PD-10 columns) |                |

<sup>1</sup> Sample volume



Prepacked chromatography columns for ÄKTA systems, Selection Guide 28931778



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