

Optimal Chromatographic Performance for monoclonal antibody analysis with Thermo Scientific MAbPac SCX-10RS columns



It is no secret that optimal chromatographic performance is critical for the analysis of monoclonal antibody (mAb) variants. These methods must also keep up with the high throughput demands of an organisation and meet regulatory requirements.

Thermo Scientific™ MAbPac™ SCX-10RS columns meet your analytical challenges, providing industry leading high resolution for charge variant profiles. The quality and performance of the column stems from a highly reproducible grafting process, which provides users with resolution and lot-to-lot consistency. When used in combination with Thermo Scientific™ CX-1 pH Gradient Buffers, achieve rapid separations on a platform method that can be tailored anywhere between pH 5.6 to 10.2.

The Thermo Scientific MAbPac SCX-10RS range of columns provide:

- Superior resolution allowing confident identification of mAbs and their vs competitor columns
- Compatibility with pH gradients which allow shorter run times than salt gradients
- Robust performance for improved up time
- Reduced lot-to-lot column variation to simplify method validation, saving time and money
- Columns are compatible with Liquid Chromatography-Mass Spectrometry (LC-MS) based applications

If you would like more information about the MAbPac SCX-10RS columns please visit our website for application notes, product manuals, product specification, and more:

[Website](#)

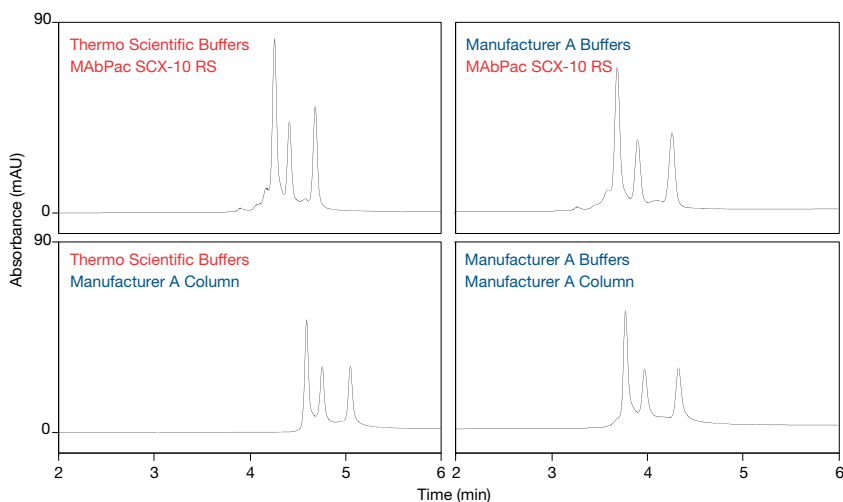
[Product specification sheet](#)

[Application note](#)

[MAbPac SCX-10 columns product manual](#)

The Thermo Scientific MAbPac SCX-10RS is part of a family of columns that covers a breadth of selectivity options for mAb analysis.

Superior Separation



To illustrate the importance of selecting the correct column and mobile phase for charge variant separations, the MAbPac SCX-10RS and CX-1 pH Gradient Buffers were tested against an alternative solution. Consideration was given to the performance of the column and the pH gradient buffer solution to see the effect of individual products and the total solution. Using Infliximab, the Thermo Scientific solution demonstrates the highest resolution separation (black chromatogram).

Find out more at thermofisher.com/bioLC