

Forget the spin columns. *It's time for an upgrade.*



KEY FEATURES

- Automated rapid buffer exchange of 96 samples *in less than 15 minutes*
- Turnkey solutions and customized scripts for plug-and-purify workflows. *Just Click Go!*
- Confidential method development and technical support from expert scientists
- MW cutoff: 6 kDa

Size Exclusion Chromatography using IMCStips®

SizeX IMCStips® are miniaturized size exclusion chromatography columns designed for fully automated, rapid buffer exchange or desalting. SizeX IMCStips work with both the 96 multi-probe head and **individual channels** on the Hamilton Microlab STAR. SizeX IMCStips are packed with cross-linked agarose, which allow for remarkable chemical and physical stability for a variety of size exclusion chromatography applications.

Applications

Size exclusion chromatography is widely used in several different analytical applications from basic research to quality control of biotherapeutics. SizeX IMCStips work with chaotropic salts such as 6 M guanidine for the efficient reduction of guanidine prior to trypsin/LysC digestion, which is typically implemented in bioanalytical procedures such as multi-attribute method (MAM).



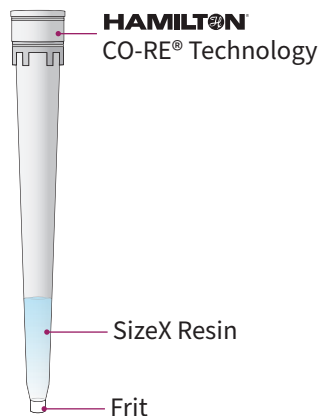
Higher Recoveries



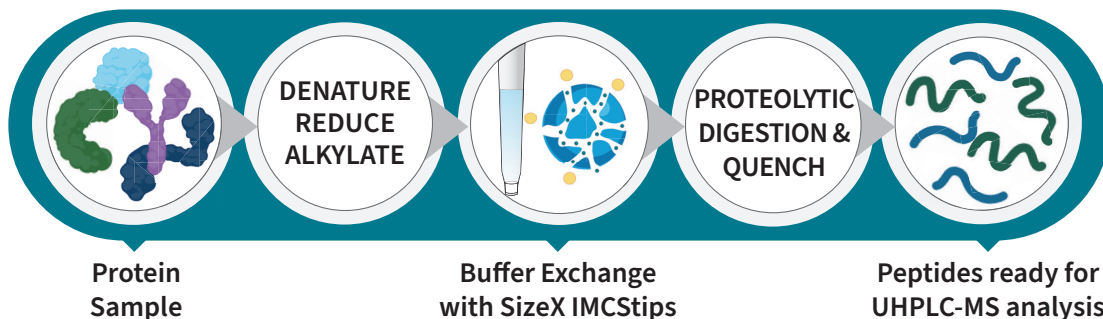
Easily automate your workflow with templated or custom scripts



Consistent, high recoveries at the press of a button



Automated Multi-Attribute Method (MAM) with SizeX IMCStips on a Hamilton Microlab STAR



Why Choose IMCStips?

- Consistent, high recoveries
- Flexible sample volumes
- Customized applications
- Streamlined, fast automated workflow

Unlike manual spin columns, automated size exclusion chromatography with SizeX IMCStips enable massive time savings, excellent reproducibility and reliability, and higher sample recovery.^{1,2}

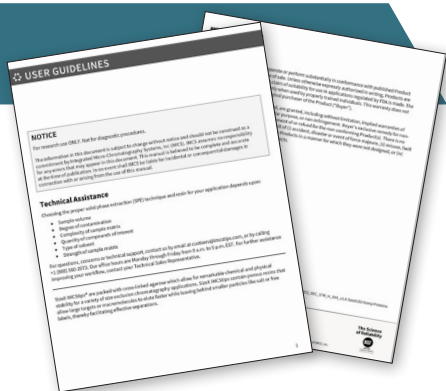


View our IMCStips Catalog for a complete list of available resins

<https://imcstips.com/imcstips/catalog/>

- Sitasuwan, P.; Powers, T. W.; Medwid, T.; Huang, Y.; Bare, B.; Lee, L. A. Enhancing the Multi-Attribute Method through an Automated and High-Throughput Sample Preparation. *mAbs* **2021**, *13* (1). <https://doi.org/10.1080/19420862.2021.1978131>.
- Ogata, Y.; Quizon, P. M.; Nightlinger, N. S.; Sitasuwan, P.; Snodgrass, C.; Lee, L. A.; Meyer, J. D.; Rogers, R. S. Automated Multi-Attribute Method Sample Preparation Using High-Throughput Buffer Exchange Tips. *Rapid Commun. Mass Spectrom.* **2021**, e9222. <https://doi.org/10.1002/rcm.9222>.

We Make Automating Your Sample Preparation as Easy as *Just Click Go*



You need accurate results fast, which is why we make implementing IMCStips easy for each of our customers. In addition to on-site or remote technical support, IMCStips come with scripts designed for various automated liquid handling platforms. Our scientists create fully developed user guidelines that walk you through each step of testing and templated processes to allow for customized workflows that ensure seamless integration of IMCStips to your laboratory.

JUMP-START YOUR PROJECT

Get your new method running in **one week!**



Technical Discussion



IMCS Application Scientists create script



Script install & user guidelines provided

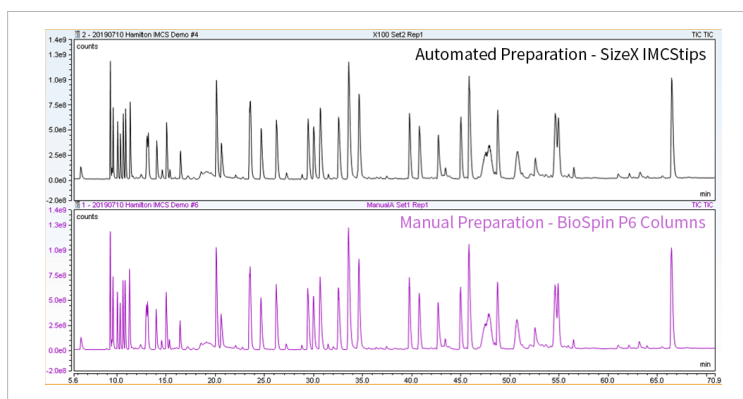


Test & validate new method

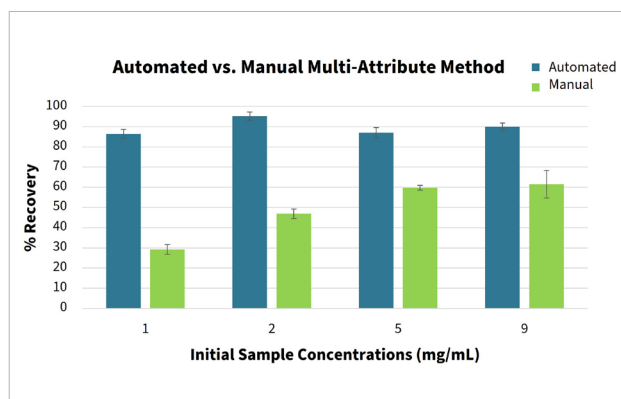


Relax while your application runs!

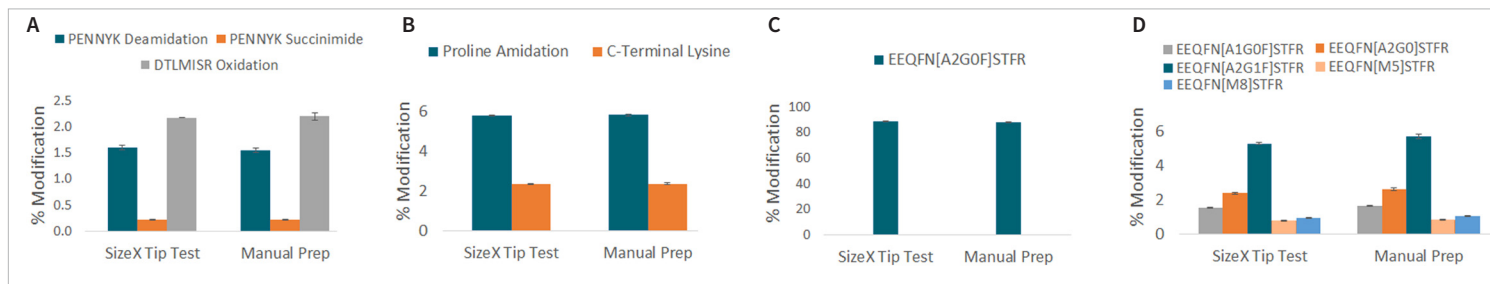
Automated Size Exclusion Chromatography using SizeX IMCStips®



Total ion chromatograms comparing automated (SizeX IMCStips) and manual (Bio-Spin P6) preparation are identical.



Antibody recovery from manual and automated MAM using Bio-Spin P6 columns and SizeX IMCStips, respectively (n=3).



Comparison of percent modifications for manually prepared and automated samples. (A) Deamidation, succinimide, methionine oxidation, (B) proline amidation, C-terminal lysine truncations, and (C,D) Fc glycosylation patterns are shown (n=4).

Results above were obtained using IMCStips on Hamilton Microlab STAR™.

Contact us for a free sample of IMCStips®



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