

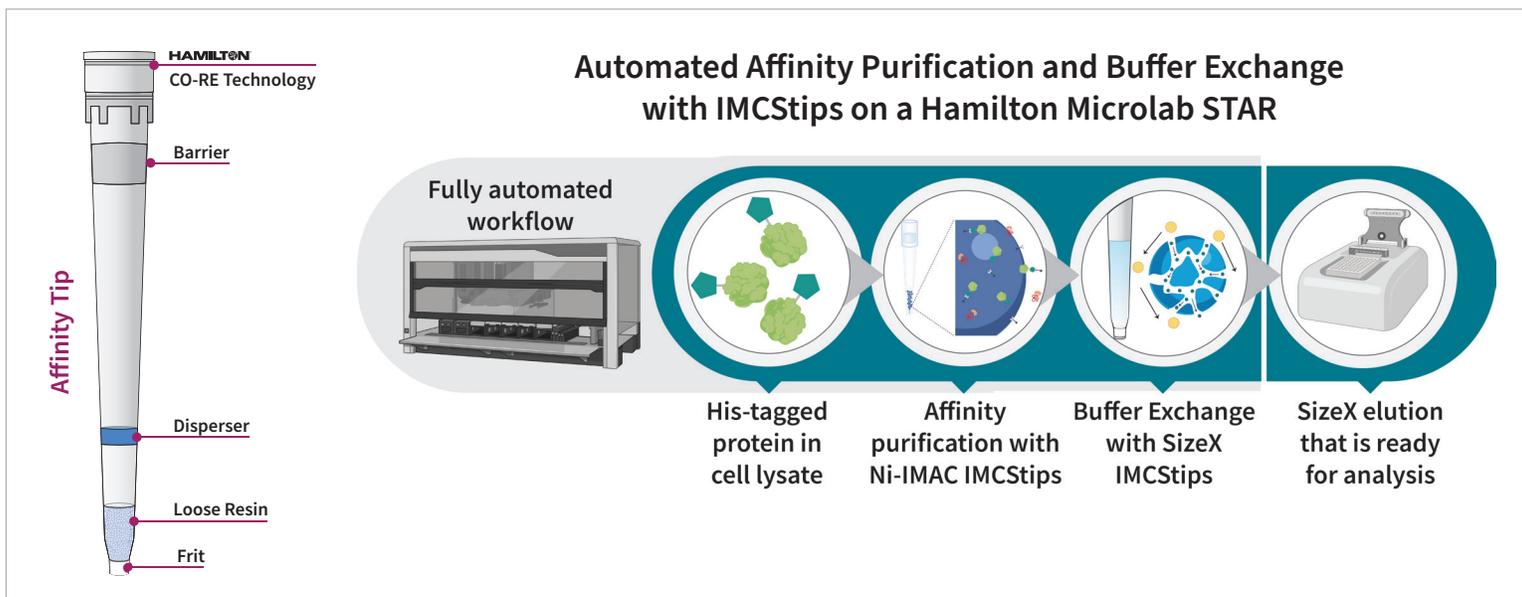
## Automated Affinity Purification and Buffer Exchange with IMCStips®



Affinity purification with IMCStips® use patented dispersive solid-phase extraction (dSPE) technology. dSPE uses loose resin that is dispersed during aspirate and dispense cycles, enabling maximized binding and consistent, higher recoveries. The purified sample then undergoes **automated buffer exchange with SizeX IMCStips**, seamlessly integrating two workflows into one. The combination of our patented dispersive technology and customized resin options facilitate consistent, high recoveries of significant analytes. We provide the scripts so you can *Just Click Go!*

### KEY FEATURES

- Automated affinity purification followed by rapid buffer exchange of up to 96 samples **in less than 90 minutes!**
- Patented dispersive solid-phase extraction (dSPE) technology allows for higher recoveries, lower CVs, and more reproducible affinity enrichments.
- Tip-based buffer exchange with SizeX IMCStips® removes the need for manual intervention, enabling a truly hands-free workflow. Ideal for the removal of guanidine or other salts (6 kDa MW cutoff).



### Why Choose IMCStips?

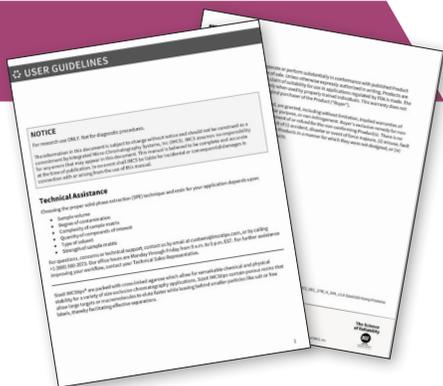
- Consistent, high recoveries
- Flexible sample volumes
- Customized applications
- Streamlined, fast automated workflow



View our **IMCStips Catalog** for a complete list of available resins

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

# 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

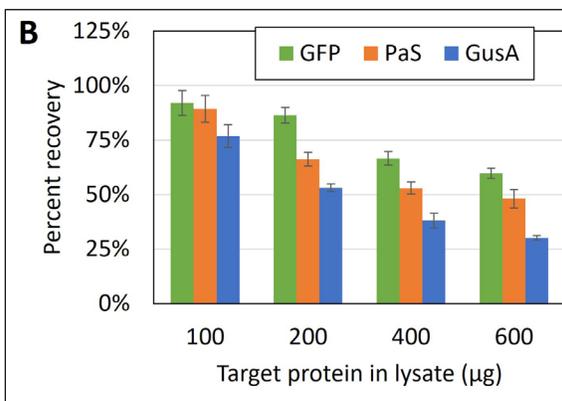
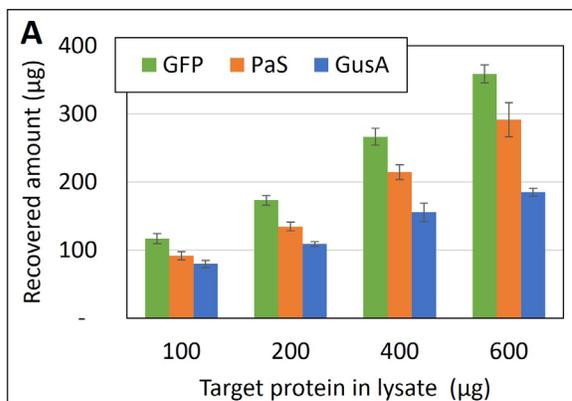


Test & validate new method



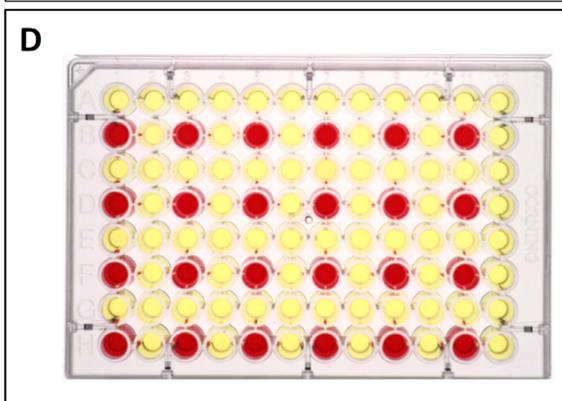
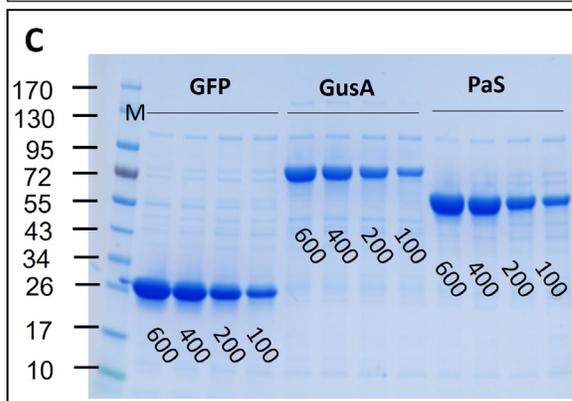
Relax while your application runs!

## Automated Affinity Purification and Buffer Exchange with IMCStips®



(A) Histidine labeled proteins (GFP, PaS, GusA) were added into bacterial lysates and purified with 15 µL resin Ni-IMAC IMCStips followed by buffer exchange with SizeX IMCStips.

(B) The recoveries for the Ni-IMAC IMCStips was optimal for 100 and 200 µg protein loads due to the 15 µL resin bed. More resin will assist with higher recoveries for larger quantities (400 and 600 µg).



(C) SDS PAGE of the proteins at different quantities match the Bradford quantifications (see graphs in A).

(D) Purified PaS are active (red wells) after undergoing affinity purification followed by buffer exchange on the liquid handler, and there is no detectable carryover between wells or tips.

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

Contact us for a free sample of IMCStips®



[imcstips.com/imcstips](http://imcstips.com/imcstips)



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