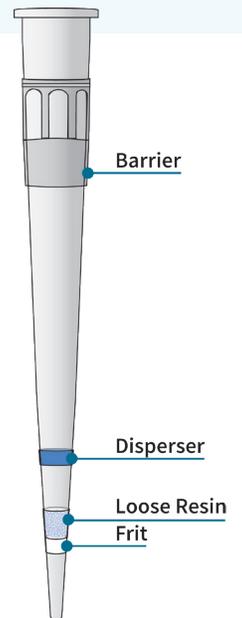


IMCSTIPS[®] + INTEGRA

OVERVIEW

IMCStips is a patented solid phase micro-extraction technology used in the field of proteomics to provide simplified, highly efficient sample preparations. IMCStips contain loose resin that increase the efficiency of your workflows by facilitating the enhanced binding of analytes of interest during pipetting steps. By coupling this technology with the **INTEGRA ASSIST** and **ASSIST PLUS** pipetting robots, workflows are streamlined with the hands-free implementation of multiple aspirate and dispense cycles that facilitate consistent results, high recoveries, and faster workflows.



CONSISTENT RESULTS



HIGH RECOVERIES



FASTER WORKFLOWS

Protein A (MabSelect SuRe™ LX)

Tip Size	Binding Capacity (per tip)	Tip Quantity	Catalog Number
1250 µL	1 mg IgG	8	04T-I1R80-1-25-8
1250 µL	1 mg IgG	12	04T-I1R80-1-25-12

Ni-IMAC (Ni Sepharose™ excel)

Tip Size	Binding Capacity (per tip)	Tip Quantity	Catalog Number
1250 µL	2 mg GFP	8	04T-I1R72XL-1-25-8
1250 µL	2 mg GFP	12	04T-I1R72XL-1-25-12

PRODUCT COMPATIBILITY

IMCStips are designed and tested to work with both the 8 and 12-channel **INTEGRA** electronic multichannel pipettes on the **ASSIST** and **ASSIST PLUS** platforms. The combination of these technologies streamlines your workflow by simplifying sample preparation and increasing testing efficiency.



We make implementing IMCStips easy. IMCStips come with predefined pipetting protocols which can be uploaded to **INTEGRA** pipettes using **VIALINK** software which interfaces with **ASSIST** and **ASSIST PLUS** pipetting robots. To ensure the seamless integration of IMCStips, IMCS provides technical support and templated scripts along with user guidelines for each application.

Results below were obtained using IMCStips (P/N: 04T-I1R72XL-1-25-8) on the **INTEGRA ASSIST** with 8-channel pipette.

Increased protein recovery comparable to spin columns

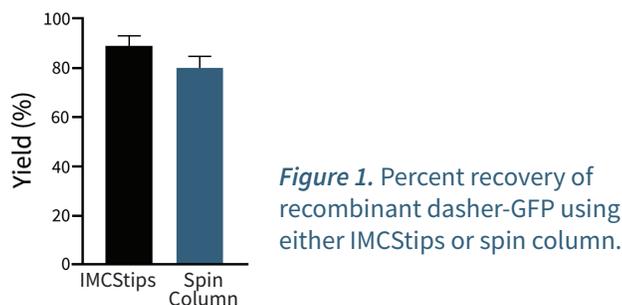


Figure 1. Percent recovery of recombinant dasher-GFP using either IMCStips or spin column.

Increased binding across a wide range of concentrations

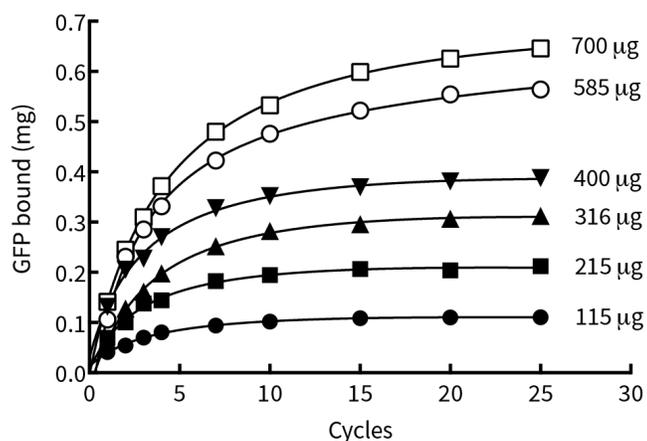


Figure 2. Kinetic data of various concentrations of GFP (115-700 µg) over 25 binding cycles.

Fraction eluted is independent of volume or cycle number

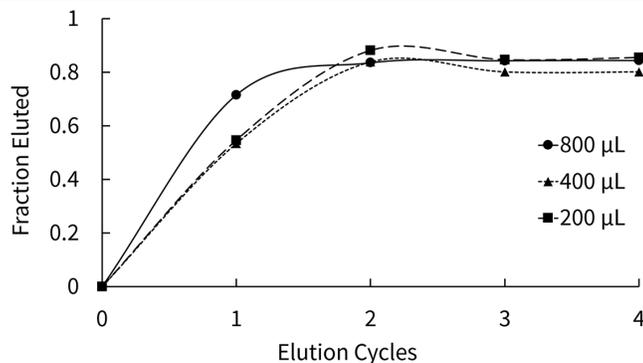


Figure 3. The impact of number of elution cycles and elution volume on fraction of bound protein eluted.

High specificity across different proteins

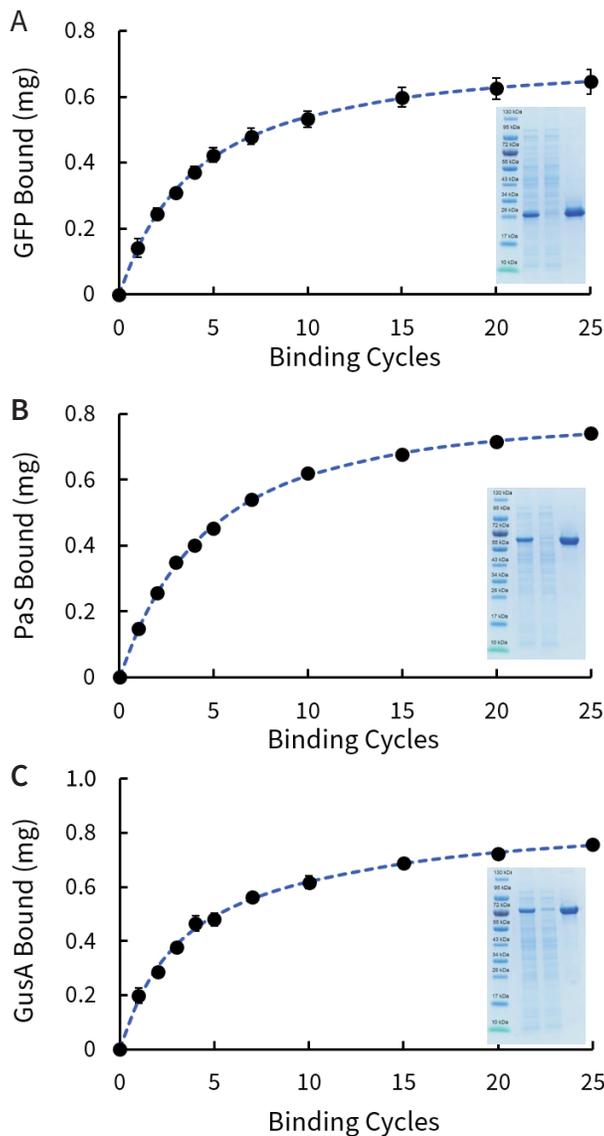


Figure 4. Binding dynamics of various His-tagged proteins in IMCStips. SDS-PAGE of purified proteins shown (inset). **(A)** Recombinant dasher-GFP (GFP). **(B)** Recombinant arylsulfatase (PaS). **(C)** Recombinant beta-glucuronidase (GusA). For **A, B, C**, 1st lane: protein in cell lysate; 2nd lane: flow-through; 3rd lane: eluted sample using IMCStips.