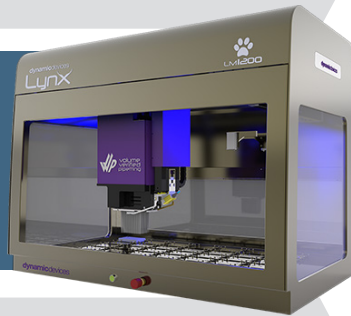


IMCStips® for Dynamic Devices

COMPLEX AFFINITY PURIFICATIONS MADE EASY

IMCStips technology uses dispersive solid-phase extraction (dSPE) to provide simplified, highly efficient micro-purifications. The loose resin contained within IMCStips improves workflow efficiencies by facilitating the enhanced binding of analytes of interest during pipetting steps. By coupling this technology with the **Dynamic Devices Lynx Series** liquid handling robot, methods are streamlined with the hands-free implementation of multiple aspirate and dispense cycles that facilitate consistent results, high recoveries, and faster workflows.

Lynx
liquid handling platform



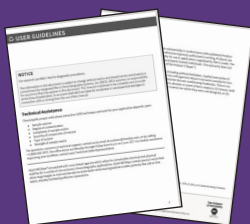
CONSISTENT RESULTS



HIGH RECOVERIES



FASTER WORKFLOWS



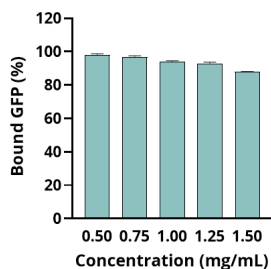
User Guidelines

To ensure the seamless integration of IMCStips, IMCS provides technical support and templated scripts along with user guidelines for each application.

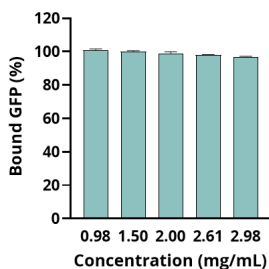
Increased binding across a wide range of concentrations

The results below demonstrate the automated affinity purification of polyhistidine-tagged GFP using 1 mL IMCStips on the Dynamic Devices Lynx LM1200. The IMCStips were packed with three different resin beds (25 μ L, 50 μ L, and 100 μ L) to purify a range of polyhistidine-tagged GFP concentrations. The graphs below indicate (A-C) the percent GFP bound and (D-F) the recovery profile over 30 binding cycles for 25 μ L, 50 μ L, and 100 μ L resin beds.

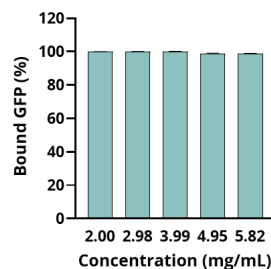
(A) 25 μ L Resin Bed



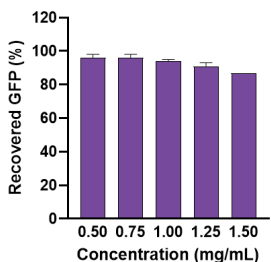
(B) 50 μ L Resin Bed



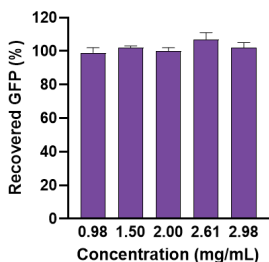
(C) 100 μ L Resin Bed



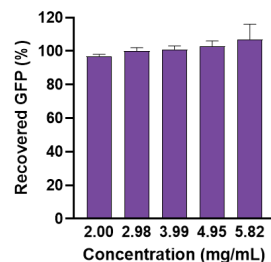
(D) 25 μ L Resin Bed



(E) 50 μ L Resin Bed



(F) 100 μ L Resin Bed



IMCSTIPS + DYNAMIC DEVICES = A WINNING COMBINATION

- Faster purification of biomolecules using various affinity resins. **Complete binding of 96 samples in 1 hour!**
- **Bypass challenges faced using other purification methods** such as spin columns, magnetic beads, and fixed bed chromatography.
- Dispersive loose resin mixing within tips to maximize contact between target biomolecule and resin leading to **high recoveries** with **consistent results**
- Flexibility with testing a variety of resins in **small quantities** to screen and optimize purification of target biomolecules
- Templated and customized scripts, as well as confidential method development made possible by our team of talented scientists

Ready to simplify your sample prep?
Contact us for a **FREE** sample of IMCStips today!