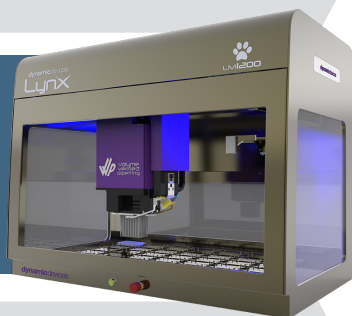


# IMCStips® for Dynamic Devices

## 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



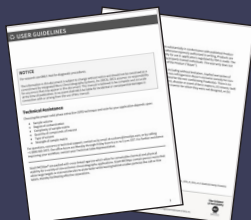
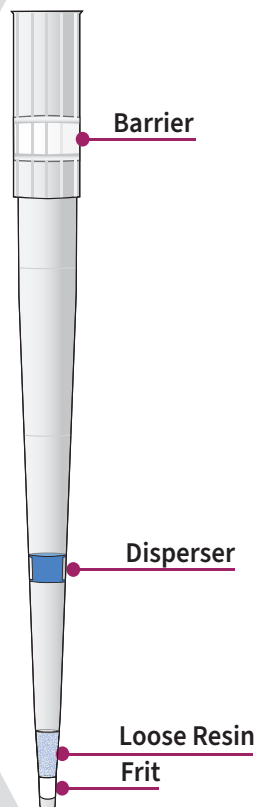
**CONSISTENT  
RESULTS**



**HIGH  
RECOVERIES**



**FASTER  
WORKFLOWS**

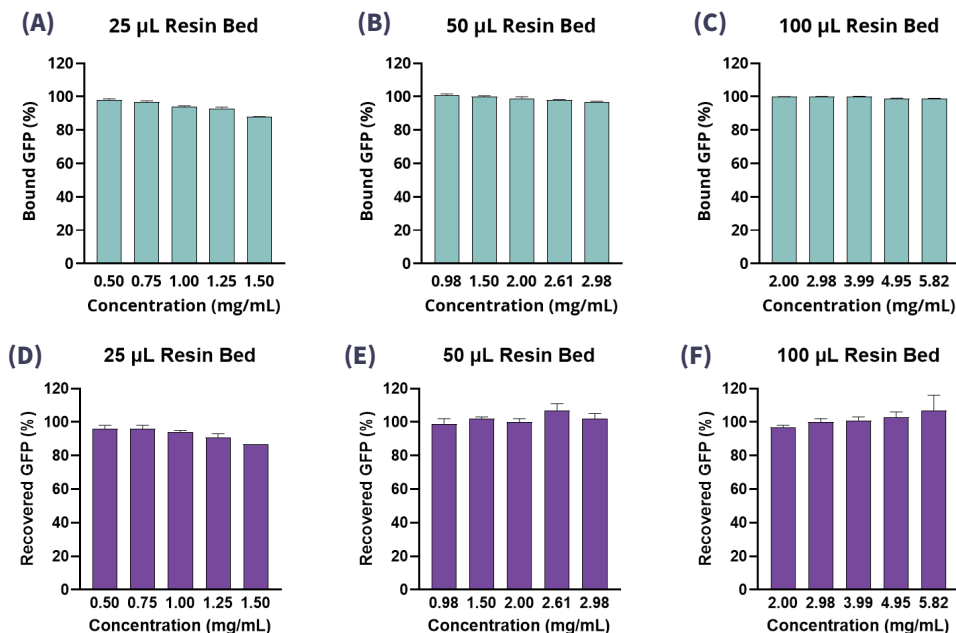


User Guidelines

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 1250  $\mu$ L IMCStips on the Dynamic Devices Lynx LM1200. The IMCStips were packed with three different resin beds (25  $\mu$ L, 50  $\mu$ L, and 100  $\mu$ 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  $\mu$ L, 50  $\mu$ L, and 100  $\mu$ L resin beds.



## 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!**