

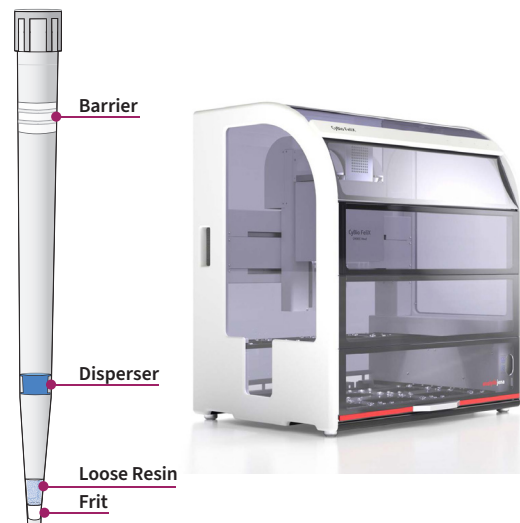
IMCStips® for the Analytik Jena CyBio Felix

High throughput affinity purification coupled with size exclusion chromatography with IMCStips

IMCStips® is a pipette tip-based tool that utilizes dispersive-solid phase extraction (dSPE) technology for efficient analyte purification. The combination of loosely packed resin and an integrated disperser within the IMCStips facilitates turbulent mixing, maximizing the contact time between the resin and the sample. This design enables consistent and reliable purification while reducing processing time.

IMCStips are compatible with the Analytik Jena CyBio Felix platform and can accommodate 8, 12, or up to 96 samples in a single automated run. Coupled with optimized and validated protocols, using IMCStips on the CyBio Felix enables rapid and dependable automated workflows, allowing the processing of up to **96 samples in a single run in just over one hour.**

- Achieve >90% recovery by combining Protein A affinity purification and SizeX buffer exchange.
- Patented dSPE technology ensures faster, reliable workflows, allowing 8, 12, and up to 96 samples for high-throughput labs.
- Flexible tip builds and resins perfect for Protein A and Ni-IMAC purification, GFP His-tagged proteins, and buffer exchange.



High-throughput protein purification with IMCStips on the CyBio Felix

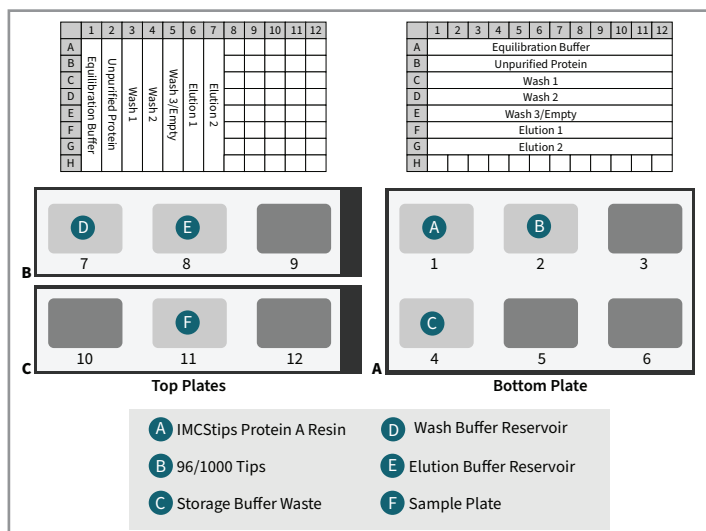


Figure 1. An example of plate layouts (8 or 12 samples) and deck layout for Protein A purification with IMCStips. The system is designed with a flexible deck layout, allowing separate plates for each buffer and customizable input of tip numbers to match workflow requirements.

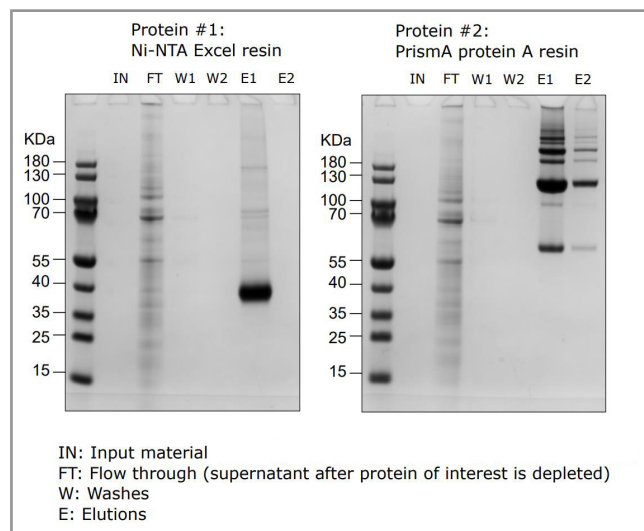


Figure 2. Protein A purification yielded an average recovery of 89.6% with a purity ratio (A260/A280) of 0.57. Ni-IMAC purification achieved an average recovery of 92.6% with a purity ratio of 0.59. Combined Protein A purification with SizeX buffer exchange resulted in an average recovery of 85% and a purity ratio of 0.62. These results demonstrate the efficiency and reliability of IMCStips for various protein purification workflows.

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



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