

Automated Plasmid Purification with μ Pure IMCSTips®

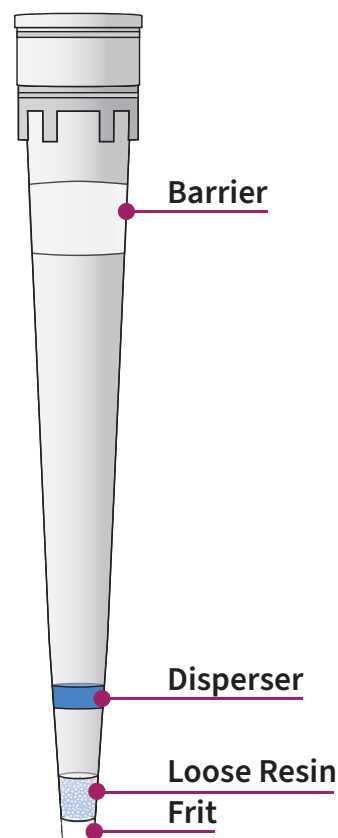
μ Pure IMCSTips® uses dispersive solid-phase extraction (dSPE) technology, reliably automating up to **96 samples in less than 55 minutes**. Ensure consistent and dependable results with yields over 10 μ g and purity that matches traditional methodologies, all while maintaining higher recoveries and purity compared to conventional magnetic bead kits.

KEY FEATURES

- Patented dispersive solid-phase extraction (dSPE) technology in a pipette for automated liquid handlers
- Turnkey automation solutions for plug-and-purify workflows. *Just Click Go!*
- Binding capacity experiments indicate up to 24 μ g of plasmid (5 kb) can be purified with 30 mg of resin
- Higher recoveries and purity compared to magnetic bead kits; comparable yields and purity vs. manual spin plates

WHY CHOOSE IMCSTIPS?

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



JUMP-START YOUR PROJECT

Get your new method
running in **one week!**



Technical
Discussion



IMCS Application
Scientists create
script



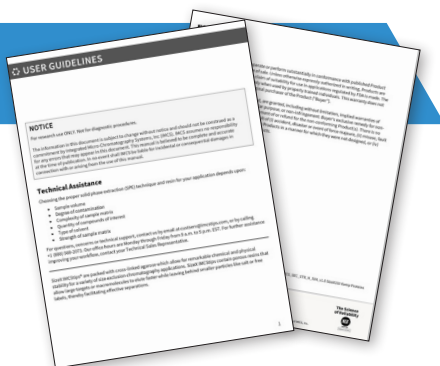
Script install &
user guidelines
provided



Test & validate
new method



Relax while your
application runs!



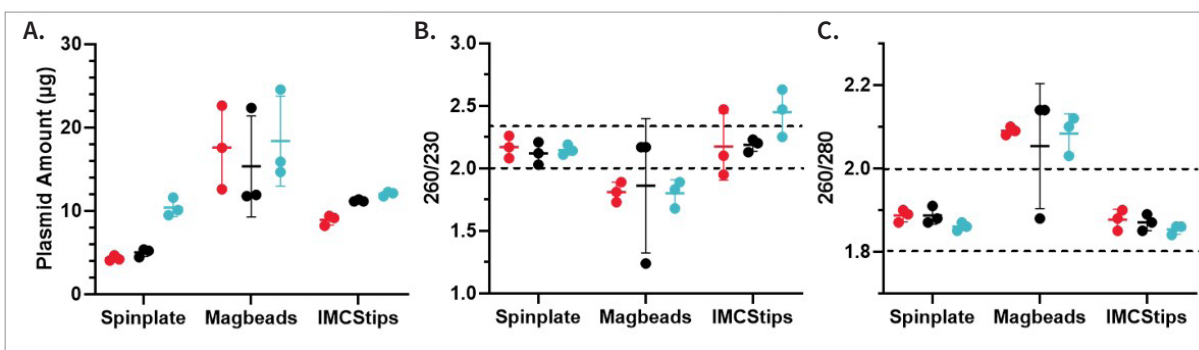
We Make Automating Your Sample Preparation as Easy as *Just Click Go*



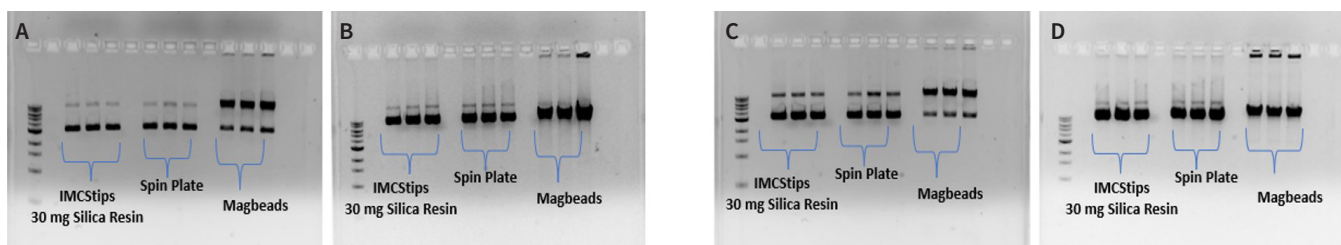
You need accurate results fast, which is why we make implementing IMCStips easy for each of our customers. In addition to on-site or remote technical support, IMCStips come with scripts designed for various systems and automated liquid handling platforms. Our scientists create fully developed user guidelines 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.

Automated Plasmid Purification with IMCStips® on a Hamilton Microlab STAR

µPure IMCStips offer a reliable solution for plasmid DNA purification, yielding higher recoveries and greater purity compared to magnetic beads. Their performance, on par with manual spin plates, ensures you can confidently transition to an automated workflow without sacrificing quality or consistency.



Method	Sample ID	Plasmid Size (bps)	pDNA (ng/µL)	pDNA (µg)	260/280	260/230	Elution Volume (µL)
Spin Plate	4k	4105	28.60 ± 1.70	4.29 ± 0.26	1.89 ± 0.0	2.17 ± 0.1	150
	5k	5534	33.37 ± 2.60	5.01 ± 0.39	1.89 ± 0.0	2.12 ± 0.0	150
	8k	8484	69.23 ± 5.90	10.39 ± 0.88	1.86 ± 0.0	2.15 ± 0.0	150
IMCStips (30 mg Silica Resin)	4k	4105	59.43 ± 3.30	8.92 ± 0.50	1.88 ± 0.0	2.17 ± 0.2	150
	5k	5534	74.73 ± 0.70	11.21 ± 0.10	1.87 ± 0.0	2.19 ± 0.0	150
	8k	8484	80.27 ± 1.40	12.04 ± 0.22	1.85 ± 0.0	2.45 ± 0.2	150
Magbeads	4k	4105	439.60 ± 102.3	17.58 ± 4.09	2.09 ± 0.0	1.81 ± 0.1	40
	5k	5534	383.37 ± 123.7	15.33 ± 4.95	2.05 ± 0.0	1.86 ± 0.4	40
	8k	8484	459.07 ± 110.1	18.36 ± 4.40	2.08 ± 0.0	1.80 ± 0.1	40



READY TO SIMPLIFY YOUR SAMPLE PREP?

Contact us for a FREE sample of IMCStips today!



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