

Forget the spin columns and messy mag beads.
It's time for an upgrade.



KEY FEATURES

- Purify high yield, high-concentration plasmids. >10 µg of plasmid with eluate concentrations >100 ng/µL
- Integrated endotoxin removal step yields low-endotoxin, transfection-grade plasmid DNA (<1 EU/µg plasmid)
- Purify 96 samples simultaneously in less than 1 hour!

Low Endotoxin Plasmid Purification using microPure LE IMCStips®

Purify 96 samples in an hour with microPure LE IMCStips. Our patented dispersive solid-phase extraction (dSPE) technology integrates endotoxin removal to yield higher concentrations of transfection-grade plasmid DNA for your various applications.

Automation Platforms

microPure LE IMCStips are compatible with a variety of automated liquid handling platforms, including Hamilton and Dynamic Devices. Purify plasmid DNA in *less than* one hour.



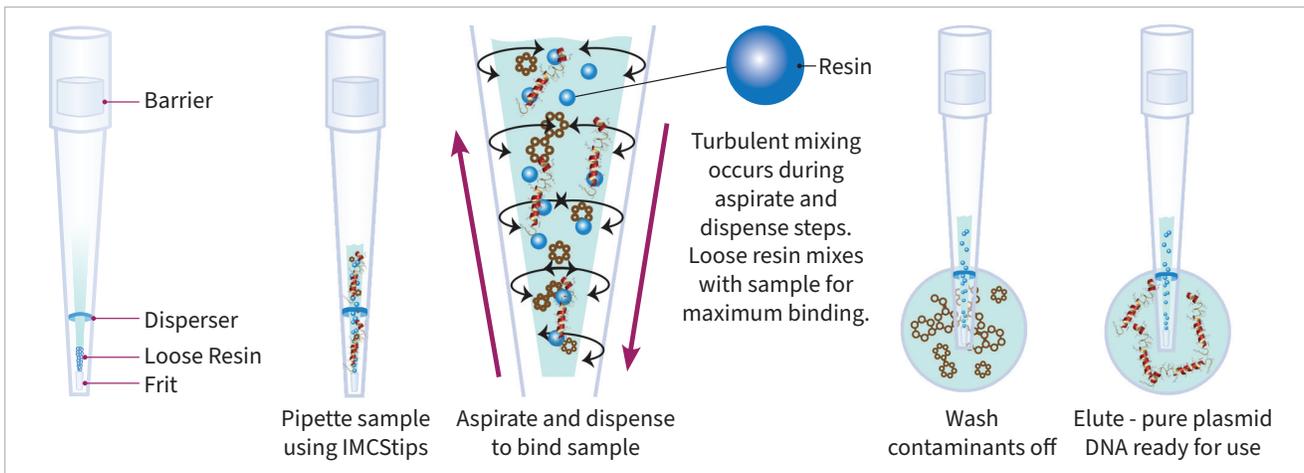
Higher Recoveries



Easily automate your workflow with templated or custom scripts



Consistent, high recoveries at the press of a button



Why Choose IMCStips?

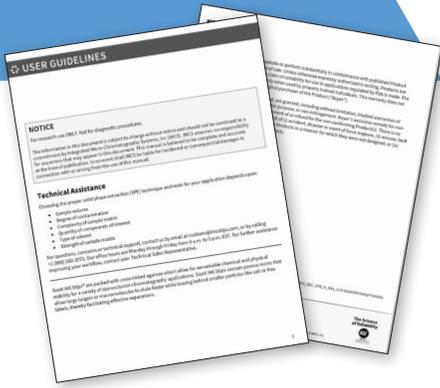
- Consistent, high recoveries
- Customized applications
- Flexible sample volumes
- Streamlined, automated workflow

Unlike fixed-bed SPE devices, IMCStips contain loosely packed resins that mix with sample solutions during aspirate and dispense cycles, ensuring maximum contact between each resin and your analytes of interest. Time consuming protocols involving vacuum manifolds, gravity flow columns, or magnetic beads are detrimental to a high-throughput laboratory's productivity. Automated low endotoxin plasmid purification with microPure LE IMCStips is a walkaway method that provides transfection-grade plasmid DNA in less than one hour.



View our **IMCStips Catalog** for a complete list of available resins
<https://imcstips.com/imcstips/catalog/>

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.

JUMP-START YOUR PROJECT

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



Technical Discussion



IMCS Application Scientists create script



Script install & user guidelines provided

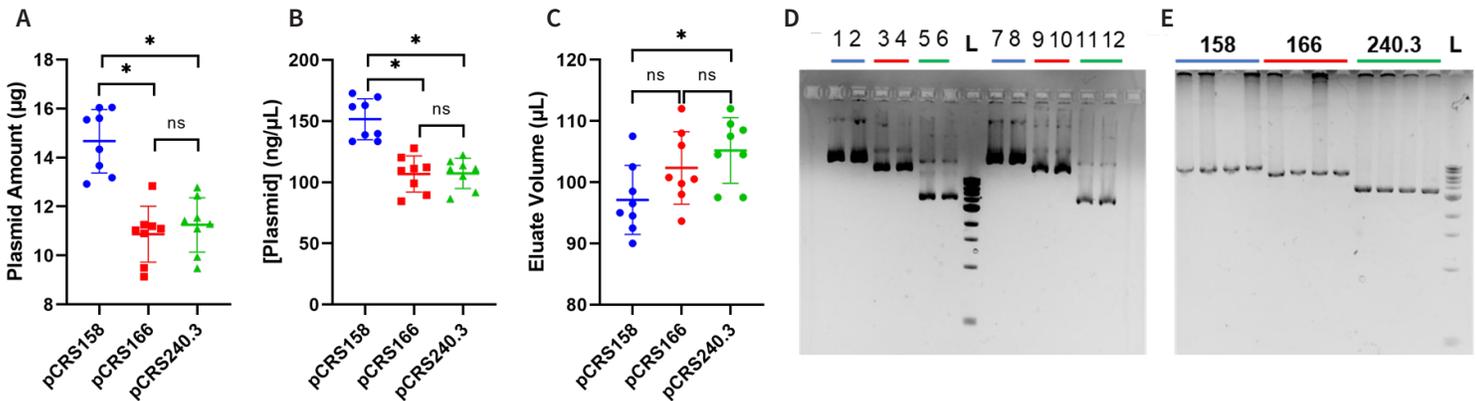


Test & validate new method



Relax while your application runs!

Automated Plasmid Purification with microPure LE IMCStips®



Plasmid	Plasmid Size (bp)	Post-SEC Yield (µg)	A260/280	A260/230	[Endotoxin] (EU/µg plasmid)
pCRS158	8484	14.6±1.3	1.88±0.00	2.27±0.01	0.116±0.110*
pCRS166	6258	10.9±1.1	1.89±0.03	2.05±0.07	3.36±0.901 [†]
pCRS240.3	3593	11.3±1.1	1.89±0.01	2.37±0.01	0.065±0.109*

*- treated with endotoxin-removal buffer, reducing the endotoxin levels by 30-fold;

[†]- not treated with endotoxin-removal buffer

Automated plasmid DNA purification with microPure LE IMCStips. Plasmid DNA were purified from overnight cultures of plasmid+ LB media using microPure LE IMCStips (tip size: 1 mL) followed by buffer exchange into 1x TE Buffer with SizeX₁₀₀ IMCStips (P/N: 04T-H6R76-0A-220-8 or -96). Average amount of plasmid amounted to 14.6±1.3 µg, 10.9±1.1 µg, and 11.3±1.1 µg of plasmid for pCRS158, pCRS166, and pCRS240.3 respectively (A, and Table). Average concentration for all three plasmids were greater than 100 ng/µL (B), while volumes of eluate ranged from 90 µL to 112 µL after buffer exchange with SizeX₁₀₀ (C). Agarose gel showing purified plasmid DNA from pCRS158 (blue), pCRS166 (red), and pCRS240.3 (green) without BamHI (D) and with BamHI (E).

Contact us for a free sample of IMCStips®



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