

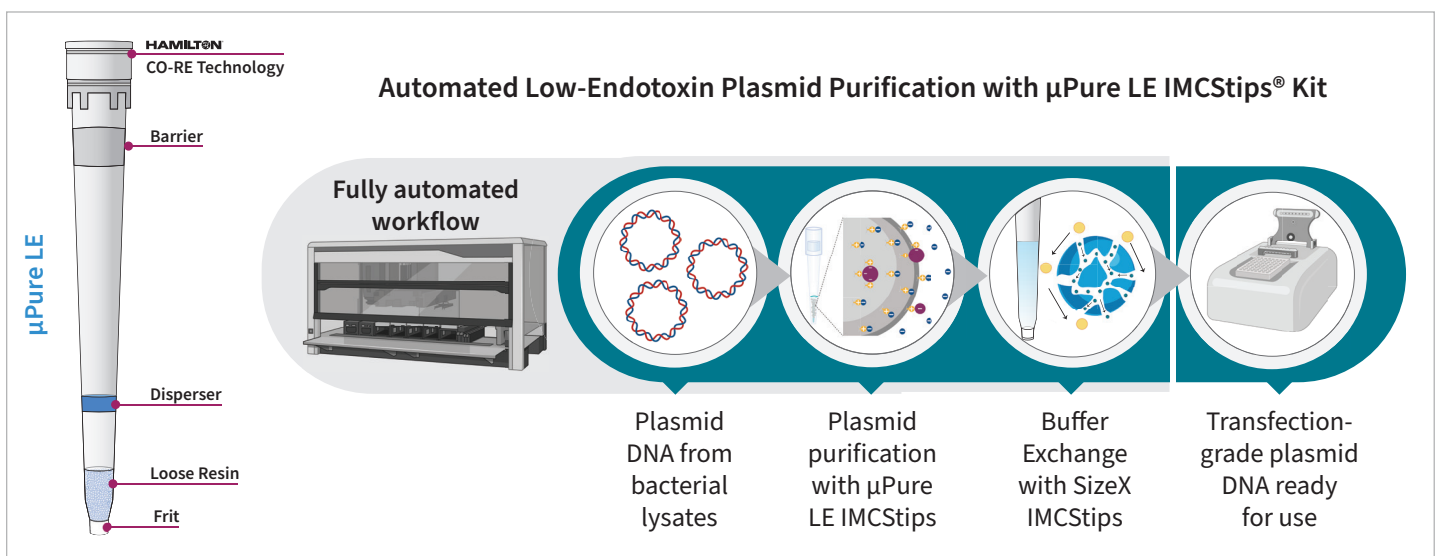
Low-Endotoxin Plasmid Purification with μ Pure LE IMCStips[®]



μ Pure LE IMCStips[®] utilize patented dispersive solid-phase extraction (dSPE) technology for the high-throughput sample preparation of low-endotoxin, transfection-grade plasmid DNA. The tips are packed with loose resin that is dispersed within the sample, leading to turbulent mixing and improved binding. This automated workflow enables you to: *purify up to 96 samples in less than one hour.*

KEY FEATURES

- Isolate up to 20 μ g of plasmid DNA with eluate concentrations >100 ng/ μ L.
- Low-endotoxin, transfection-grade plasmid DNA (<1 EU/ μ g plasmid).
- Purify *96 samples* simultaneously in *less than 1 hour!*



Why Choose IMCStips?

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

JUMP-START YOUR PROJECT

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



Technical Discussion



IMCS Application Scientists create script



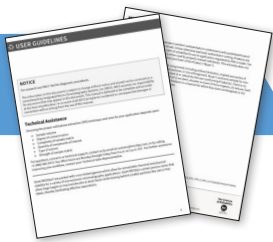
Script install & user guidelines provided



Test & validate new method



Relax while your application runs!



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



Integrated automated buffer exchange with SizeX IMCStips available!

μPure LE Kit for Hamilton® Systems with SizeX | Catalog #: 04K-001
Kit includes:

Catalog Number	Product Description	Size	Quantity
04T-H6R33-1-25-96	μPure LE IMCStips	96 tips	1 rack
04T-H6R76-0A-220-96	SizeX ₁₀₀ IMCStips	96 tips	1 rack
04B-RB030	Resuspension buffer	30 mL	1 bottle
04B-LB030	Lysis buffer	30 mL	1 bottle
04B-NB030	Neutralization buffer	30 mL	1 bottle
04B-ER010	Endotoxin removal buffer	30 mL	1 bottle
04B-EWB255	Equilibration & wash buffer	255 mL	1 bottle
04B-EB-017	Elution buffer	17 mL	1 bottle
04E-RNa150	RNase solution	150 μL	1 vial
04B-TE020	20x TE buffer	20 mL	1 bottle

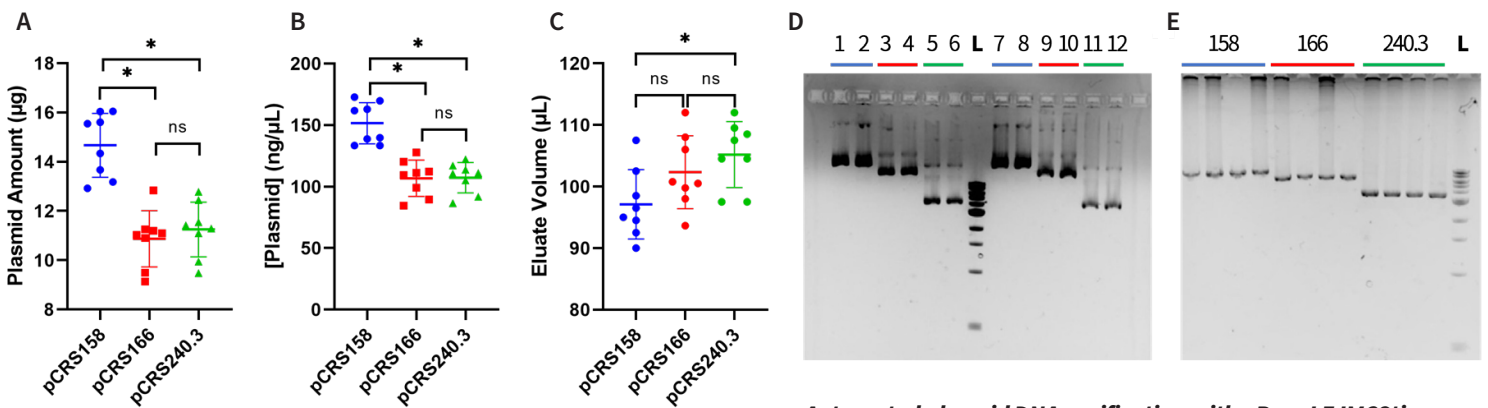
μPure LE Kit for Hamilton® Systems | Catalog #: 04K-002
Kit includes:

Catalog Number	Product Description	Size	Quantity
04T-H6R33-1-25-96	μPure LE IMCStips	96 tips	1 rack
04B-RB030	Resuspension buffer	30 mL	1 bottle
04B-LB030	Lysis buffer	30 mL	1 bottle
04B-NB030	Neutralization buffer	30 mL	1 bottle
04B-ER010	Endotoxin removal buffer	30 mL	1 bottle
04B-EWB255	Equilibration & wash buffer	255 mL	1 bottle
04B-EB-017	Elution buffer	17 mL	1 bottle
04E-RNa150	RNase solution	150 μL	1 vial

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



Automated Plasmid Purification with μPure 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 μPure LE IMCStips.
Plasmid DNA were purified from overnight cultures of plasmid+ LB media using μPure LE IMCStips (P/N: 04T-H6R33-1-25-96) 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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