



Plasmids Kits Selection Guide

Objective	Endo-Free or Endo-Low?	Spin, Vacuum or Filter?	SPEED SKU	Product Name	Comments
Miniprep (10-80 µg)	Endo-Low	Spin/vacumn	SSM1001, SSM1002	Plasmid Miniprep Kit I (10-20 µg)	10-20 µg of high copy number plasmid DNA from 1-2 mL culture
			SSM1003, SSM1004	Plasmid Miniprep Kit II (30-80 µg)	30-80 µg of high copy number plasmid DNA from 1-2 mL culture
	Endo-Free	Spin/vacumn	SSM1061, SSM1062	ezFlow Endofree Plasmid Miniprep Kit I	Remove Endotoxin with a simple buffer. No phase seperation needed. Super-fast.
			SSM1063, SSM1064	ezFlow Endofree Plasmid Miniprep Kit II	Remove Endotoxin with a simple buffer. No phase seperation needed. Super-fast.
Midiprep (100-400 µg)	Endo-Low	Spin	SSM1005, SSM1006	Plasmid Midi Kit I (100-200µg)	100-200 µg of high copy number plasmid DNA from 50 mL culture
		Spin	SSM1007, SSM1008	Plasmid Midi Kit II (200-400µg)	200-400 µg of high copy number plasmid DNA from 100 mL culture
		Filter and Spin	SSM1009, SSM1010	Plasmid ezFilter Midi Kit I, Centrifuge	Use ezFilter for lysate clearance and centrifuge for DNA binding and elution
		Filter and Spin	SSM1011, SSM1012	Plasmid ezFilter Midi Kit II, Centrifuge	Use ezFilter for lysate clearance and centrifuge for DNA binding and elution
		Filter and Vacuum	SSM1013, SSM1014	Plasmid ezFilter Midi Kit I, Vacuum Manifold	Use ezFilter for lysate clearance and vacuum for DNA binding and elution
		Filter and Vacuum	SSM1015, SSM1016	Plasmid ezFilter Midi Kit II, Vacuum Manifold	Use ezFilter for lysate clearance and vacuum for DNA binding and elution
	Endo-Free	Spin	SSM1065, SSM1066, SSM1067	ezFlow Endofree Plasmid Midiprep	Remove Endotoxin with a simple buffer. No phase seperation needed. Super-fast.
		Filter and Spin	SSM1068, SSM1069	ezFlow Endofree ezFilter Plasmid Midiprep	Remove Endotoxin with a simple buffer. Use ezFilter for lysate clearance
Maxiprep (1-1.5 mg)	Endo-Low	Spin	SSM1017, SSM1018	Plasmid Maxi Kit (1-1.5 mg)	1-1.5 mg of high copy number plasmid DNA from 200 mL culture
		Filter and Spin	SSM1018, SSM1020	Plasmid ezFilter Maxi Kit	Filtration to remove bacteria debris; Spin to bind and wash DNA
		Filter and Vacuum	SSM1021, SSM1022	Plasmid ezFilter Maxi Kit, Vacuum Manifold	Filtration to remove bacteria debris; Vacuum to bind and wash DNA
	Endo-Free	Spin	SSM1070, SSM1071	ezFlow Endofree Plasmid Maxiprep	Remove Endotoxin with a simple buffer
		Filter and Spin	SSM1072, SSM1073	ezFlow Endofree ezFilter Plasmid Maxiprep	Remove Endotoxin with a simple buffer; Use ezFilter for lysate clearance
Megaprep3 (3 mg)	Endo-Free	Filter and Vacuum	SSM1074, SSM1075	ezFlow Endofree Plasmid Megaprep 3mg	3 mg of high quality DNA purified in 1 h. No centrifugation involved. Endotoxin < 0.1 Eu/µg DNA.
Megaprep6 (6 mg)	Endo-Free	Filter and Vacuum	SSM1076, SSM1077	ezFlow Endofree Plasmid Megaprep 6mg	3 mg of high quality DNA purified in 1 h. No centrifugation involved. Endotoxin < 0.1 Eu/µg DNA.
Megaprep10 (10 mg)	Endo-Free	Filter and Vacuum	SSM1078, SSM1079	ezFlow Endofree Plasmid Megaprep 10mg	3 mg of high quality DNA purified in 1 h. No centrifugation involved. Endotoxin < 0.1 Eu/µg DNA.
96-well Prep	Endo-Low	Filter and Vacuum	SSM1031, SSM1032	96-well Plasmid ezFilter Mini Kit	High throughput parallel preparation of 96 plasmid minipreps in 1 h
			SSM1035, SSM1036	96-well Chaotropic Free ezFilter Plasmid Miniprep	High throughput parallel preparation of 96 plasmid minipreps in 1 h, no chaotropic reagents involved.
	Endo-Free	Filter and Vacuum	SSM1059, SSM1060	96-well Endofree ezFilter plasmid Miniprep Kit	High throughput parallel preparation of 96 plasmid minipreps in 1 h, Endotoxin-free



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Components Terms Explanation:

ezFilter: A syringe filter used to clear bacteria lysate and remove SDS precipitates. This step replaces the traditional high-speed centrifugation, and saves 10-30 minutes of processing time.

EndoFree: EndoFree kits come with a reagent for removal of LPS. The reagents has to be incubated with samples at 0°C for 10 min, then at 65°C for 5 min before centrifugation to separate the sample to LPS-containing lower phase and DNA-containing upper phase.

ezFlow EndoFree: The ezFlow EndoFree kits are more convenient than our EndoFree kits. The kits feature a novel LPS removal buffer that is integrated in the bind/wash step, with no incubation or phase partitioning steps involved. A super-fast way to make endo-free plasmids.

Manifold: A device that enables using vacuum for most clearance/binding/washing steps. The device is required for 96-well high throughput plasmid purification.

Recommended Kits:

Based on our customer feedbacks, the following kits are routinely used.

SSM1001, SSM1002 Plasmid Miniprep Kit I (10-20 µg)

This kit is mostly used in purifying plasmids for molecular cloning steps, such as enzyme cutting, ligation, inserts screening, serving as PCR templates, etc.

SSM1072, SSM1073 ezFlow Endofree ezFilter Plasmid Maxiprep Kit (1-1.5 mg)

This kit is mostly used in purifying high-quality, endo-free plasmids DNA for transfection.