

Montage® Plasmid Miniprep₉₆ Kit

96-well kit for faster, easier preparation of high-purity plasmid DNA

- ▶ Excellent purity, yields and reproducibility
- ▶ Fast, centrifugation-free protocol
- ▶ Automation compatible

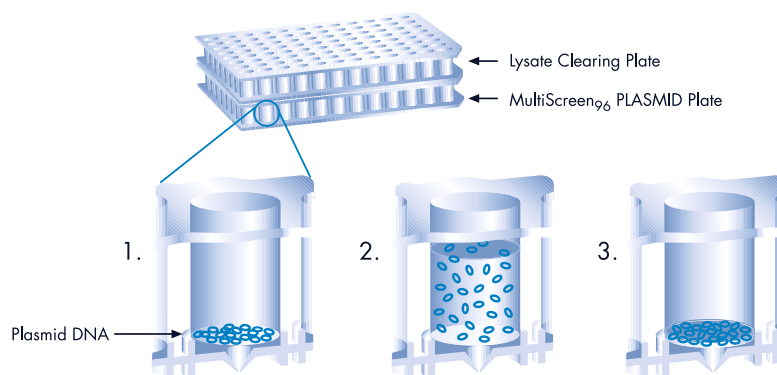
Quality Results

Montage Plasmid Miniprep₉₆ Kits provide a reproducible, high recovery means of purifying plasmid DNA. The automation-compatible protocol is fast and easy and yields quality DNA suitable for sensitive downstream applications including cloning, sequencing, transformation and PCR. The kits include all the reagents and disposable materials required to purify plasmid DNA in a 96-well format. Optimized automation protocols are also available online at www.millipore.com/automation.

Minimum Processing Time

The Montage Plasmid Miniprep Kit incorporates Millipore's unique separation technology to recover high quality plasmid DNA in 50% less time than traditional methods. The size-exclusion technology requires no bind-and-elute or extra centrifugation steps.

Simply Clear, Concentrate and Wash, and Recover



1. Using vacuum, clear lysates from the Lysate Clearing Plate. Cleared lysate is captured in the MultiScreen₉₆ PLASMID Plate.
2. Move MultiScreen₉₆ PLASMID plate to top of manifold and apply vacuum for approximately 5 to 7 minutes to concentrate sample. Plasmid DNA is retained on the membrane surface while contaminants are filtered to waste. Add wash solution and filter for 3 to 5 minutes.
3. Add resuspension buffer and collect purified sample by aspiration.

No Centrifugation or
Precipitation Steps Required

Following bacterial lysis, three short filtration steps are all that are required to prepare 96 clean DNA samples from each plate.

Yields Comparable with Traditional Methods

Host strain	Plasmid	Protocol	Yield (µg)
XL1-blue	pUC19	Full Lysate	5.1 ± 1.0
	pLH2*	Full Lysate	8.2 ± 1.0
JM109	pUC19	Full Lysate	5.7 ± 0.7
	pLH2*	Full Lysate	8.0 ± 1.1

* pLH2 was derived from pUC19. The 2.0 Kb fragment of Hind III digested I phage was cloned into the Hind III site of pUC19, resulting in a 4.7 Kb plasmid.

Table 1.

Template Compatible with Recent Sequencing
Chemistries

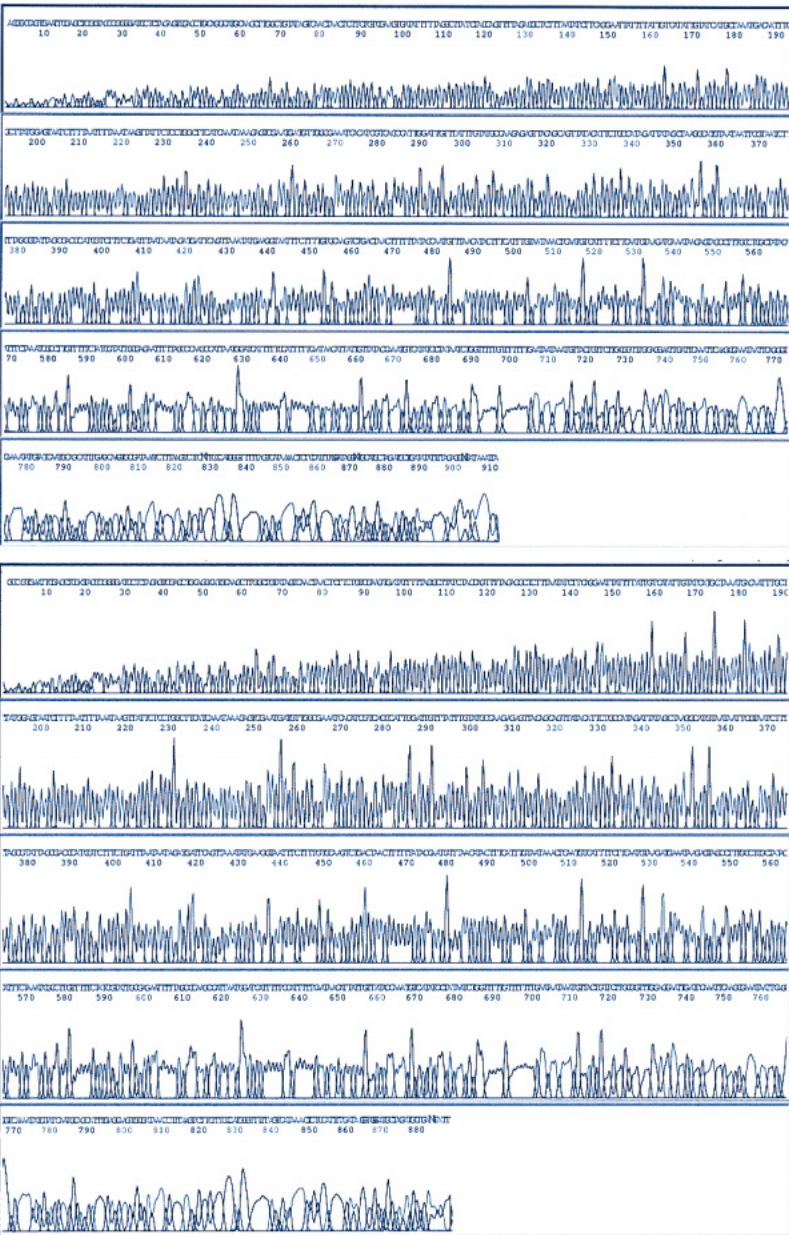
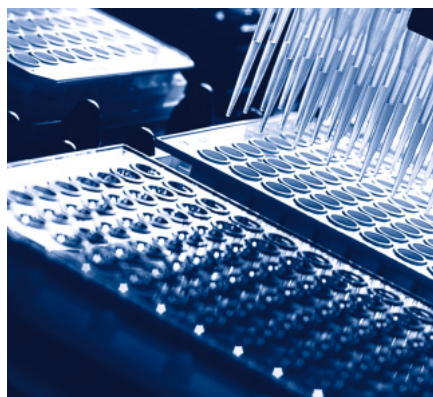


Figure 1. 3700, 6.3.1, ¼,
Q20 = 820

Figure 2. 3700, 6.3.1, ⅛,
Q20 = 749.

Automation-friendly Design

The Montage Plasmid Miniprep₉₆ Kit is ideal for use with automated liquid handlers. Collection of purified sample from the top of the plate and the lack of centrifugation steps enhances the kit's compatibility with a wide range of automated systems.



Reliable Results

Host Strain	Plasmid	Average Read Length (n = 24; > 98% accuracy)	Average PHRED (20 bases; n = 24)
XL1-blue	pUC19	707	618
	pLH2	658	623
JM109	pUC19	706	602
	pLH2	695	543

Table 2. Sequence data from plasmids prepared with the Montage Plasmid Miniprep₉₆ Kit. All samples were sequenced using BigDye sequencing chemistry and were run on a MegaBACE capillary array sequencer. 160 ng of pLH2 and 100 ng of pUC19 were used in the respective reactions. Reactions were cleaned up using Millipore MultiScreen₃₈₄-SEQ plates.

Ordering Information

Each kit contains all of the reagents and materials, a comprehensive user guide, and an easy-to-follow protocol card.

Description	Qty/Pk	Catalogue No.
Montage Plasmid	1 x 96 plasmid miniprep	LSKP 096 01
Miniprep ₉₆ Kit	4 x 96 plasmid minipreps	LSKP 096 04
	24 x 96 plasmid minipreps	LSKP 096 24

Also Available

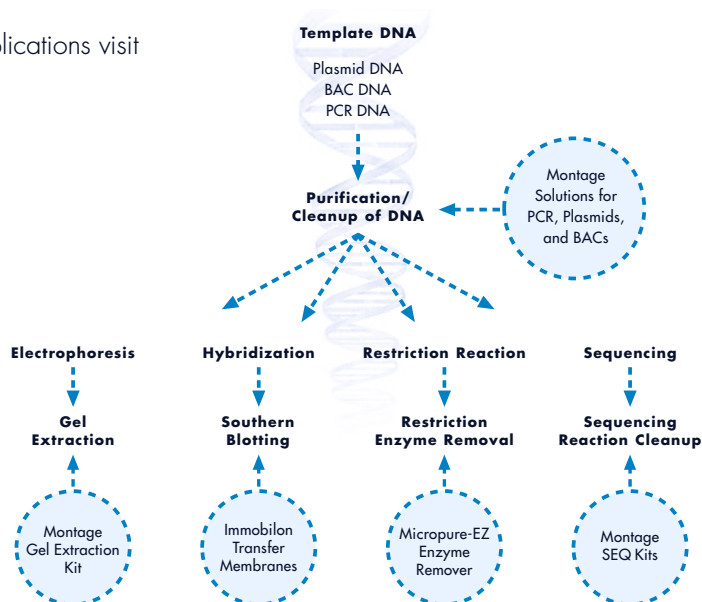
MultiScreen Vacuum Manifold with underdrain support grid		MAVM 096 OR
Portable vacuum pump	115 V, 60 Hz	XX55 000 00
	220 V, 50 Hz	XX55 220 50
	100 V, 50 – 60 Hz	XX55 100 00

For a list of additional accessories, visit www.millipore.com/montage.

Millipore Sample Prep Solutions for Genomics

For more information on these applications visit
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 life science kits



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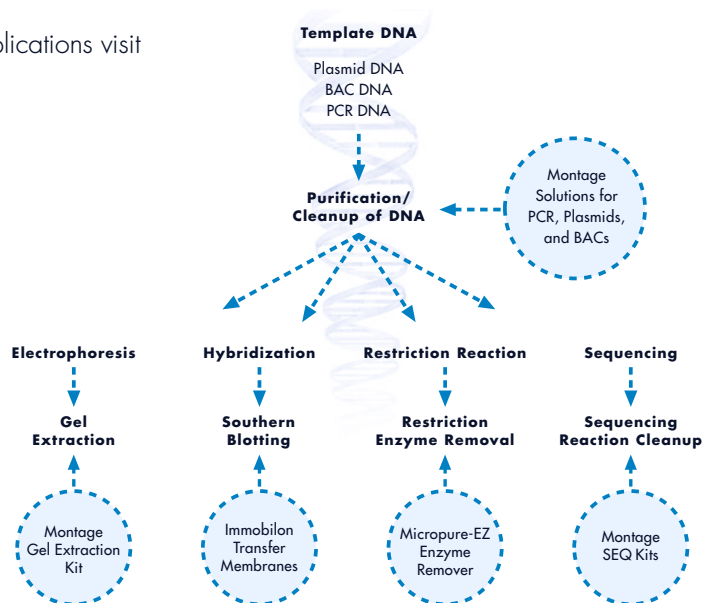
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Millipore Sample Prep Solutions for Genomics

For more information on these applications visit
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