

E-Z 96[®] FastFilter Plasmid DNA Kit

Parallel preparation of plasmid minipreps in 1 hour

CAT NO: D1097



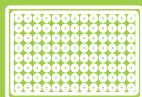
Rapid

High-quality plasmid DNA
in less than 60 minutes



Ease of Use

No resins, slurries, or alcohol
precipitation



Lysate Clearance

Rapidly clear lysate with E-Z
96[®] Lysate Clearance Plate



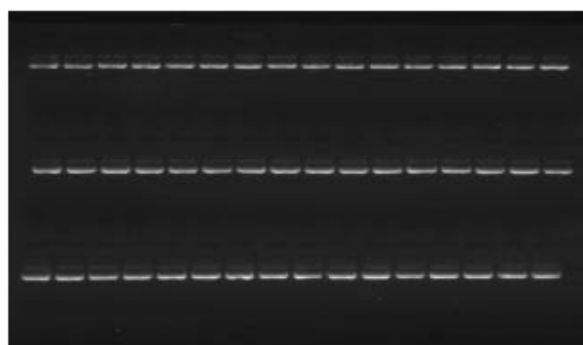
Yield

Reproducible yields of
molecular biology-grade
plasmid DNA

Cost-Effective

30% less than the
the competition
on average

E-Z 96[®] FastFilter Plasmid DNA Kit is optimized for the parallel preparation of up to 96 plasmid minipreps in 1 hour. The Lysate Clearance Plate replaces the time consuming centrifugation for clearing of bacterial alkaline lysates. This kit contains all of the components needed for plasmid DNA purification in a 96-well format. Purified plasmid DNA is suitable for the most sensitive downstream applications, such as routine screening or automated DNA sequencing. The E-Z 96[®] FastFilter Plasmid Kits feature uniquely designed 96-well DNA plates that are ideal for use with automated liquid handlers.



Plasmid DNA Purified Using E-Z 96[®] FastFilter Plasmid DNA Kit

Figure 1. DNA isolated from 48 one mL bacterial cultures grown overnight in LB medium using the E-Z 96[®] FastFilter Plasmid DNA Kit and eluted in 150 μ L elution buffer. Plasmid DNA (10% of total purified DNA) was analyzed on a 1% agarose gel. Lanes 1-48 represent plasmid DNA from 48 different bacterial cultures.

Plasmid Yield Comparison

Table 1. pGEM plasmid was extracted from an overnight culture of 1 mL of *E. coli* DH5 α per well (n = 16) using kits from Omega Bio-tek and Company MN following manufacturer's instructions.

Manufacturer	Protocol	Average Plasmid Conc. (ng/ μ L)	Average Volume Recovered from the Well (μ L)	Average Yield (μ g)
Omega Bio-tek	Vacuum	38.87	95.40	3.71 \pm 0.29
	Low speed centrifugation (2,000-3,000g)	45.29	119.0	4.16 \pm 1.59
	High speed centrifugation (5,500-6,000 x g)	32.79	91.8	3.90 \pm 0.16
Company MN	Vacuum	33.59	105*	3.53 \pm 0.50

*Volume recovered used in the yield calculations was as determined by the manufacturer and published in their protocol.

Product Description	Preps	Cat No.
E-Z 96 [®] FastFilter Plasmid DNA Kit	1x96	D1097-00
	4x96	D1097-01
	20x96	D1097-02

For free samples of any of our kits, visit www.omegabiotek.com