

E.Z.N.A.[®] Plasmid DNA Midi & Maxi Kits

Isolation of molecular biology grade plasmid DNA in less than 1 hour

CAT NO: D6904, D6922



Rapid

Purification of plasmid DNA
in less than 1 hour



Quality

High-quality molecular
biology grade plasmid DNA



Versatile

Spin and vacuum protocols



Safe

No phenol-chloroform
extractions

Cost-Effective

30% less than the
competition
on average

E.Z.N.A.[®] Plasmid DNA Midi & Maxi Kits offer a novel and reliable method of isolating high-quality plasmid DNA using the spin column format without costly accessories. The HiBind[®] DNA midi and maxi columns facilitate the binding, washing and elution steps, thus enabling multiple samples to be processed simultaneously. Although yields may vary according to plasmid copy number, *E. coli* strain and conditions of growth, the E.Z.N.A.[®] Plasmid DNA Midi Kit typically produces up to 200 µg high copy number plasmid from 50 mL of overnight culture in LB medium while the E.Z.N.A.[®] Plasmid DNA Maxi Kit typically produces 0.5-1 mg high copy number plasmid DNA from 50-200 mL of overnight culture in LB medium. If working with low copy number plasmid, one can increase the starting culture volume to 100 mL with the E.Z.N.A.[®] Plasmid DNA Midi Kit, and up to 500 mL with the E.Z.N.A.[®] Plasmid DNA Maxi Kit. High-quality DNA is ready for immediate use in routine molecular biology such as automated fluorescent sequencing, restriction enzyme digestion, and transfection screening.

E.Z.N.A. [®] Plasmid DNA Midi Kit				
Sample	Culture Size (mL)	A ₂₆₀ /A ₂₈₀	A ₂₆₀ /A ₂₃₀	Yield (µg)
1	50	1.89	2.31	192.9
2	50	1.90	2.40	189.0
3	50	1.90	2.39	190.0
4	50	1.90	2.39	187.4

E.Z.N.A. [®] Plasmid DNA Maxi Kit				
1	250	1.90	2.29	715.2
2	250	1.90	2.34	697.0
3	250	1.90	2.35	706.5
4	250	1.90	2.32	701.3

Plasmid Yield & Quality

Table 1. DH5α cells were transformed with pGEM vector and cultures were grown aerobically for 24 hours in LB broth in the culture amounts needed by the kits. DNA was quantified using Thermo Scientific's NanoDrop[®] 2200c.

Product Description	Preps	Cat No.
E.Z.N.A. [®] Plasmid DNA Midi Kit	2	D6904-00
	25	D6904-03
	100	D6904-04

Product Description	Preps	Cat No.
E.Z.N.A. [®] Plasmid DNA Maxi Kit	2	D6922-00
	5	D6922-01
	20	D6922-02
	100	D6922-04

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