

HighPrep™ Plasmid DNA Plus Kit

Magnetic bead based DNA Isolation of high quality plasmid DNA from bacterial cultures

Description

MagBio's HighPrep™ Plasmid DNA Plus Kit utilizes magnetic beads with alkaline-SDS lysis of bacterial cells to deliver high-quality plasmid DNA in a high-throughput format. By using a 96-well format, up to 96 samples can be simultaneously processed in less than 60 minutes. By utilizing magnetic beads chemistry, the system is geared for automation as the protocol requires no vacuum filtration. When use with high copy plasmids, the HighPrep™ Plasmid DNA kit yields ~10-15 µg. Yields vary slightly depending on the cell line, vector type, and size of the construct.

Overall Benefits

- No toxic organic solvents required
- No filtration or vacuum steps required
- Easily automated on many liquid handling workstations
- Adaptable for high throughput automation
- High throughput rapid isolation of high and low copy number plasmid DNA from bacterial cultures
- Also works with BACs, PACs, Cosmids, and Fosmids

Application

- DNA isolation of plasmid DNA from bacterial cultures.

Downstream Applications

- Fluorescent DNA sequencing
- PCR amplification
- Transformation
- Restriction enzyme digestion

Media	Yield (ug)	A260/A230	A260/280
Terrific Broth	13.5	2.07	1.92
	15	2.13	1.92
	14.45	2.08	1.91
LB Broth	5.35	1.78	1.91
	6.05	1.80	1.91
	6.85	1.73	1.89

Terrific Both

LB Broth

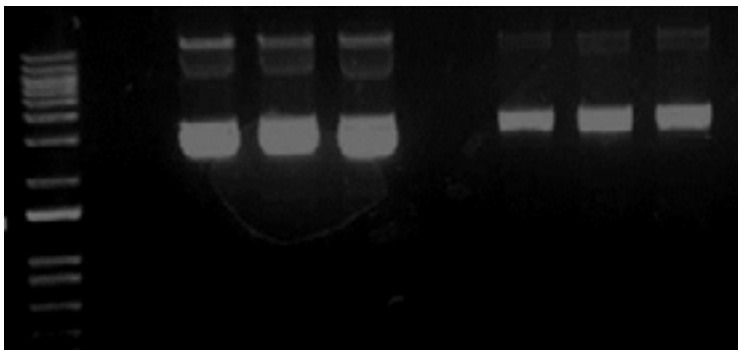


Figure above shows uncut Puc-19 Plasmid DNA extracted from E. coli.



Ordering Information

Cat No.	Product	Preps
HPPL-DP96	HighPrep™ Plasmid DNA Plus Kit (96 preps)	96
HPPL-DP96x4	HighPrep™ Plasmid DNA Plus Kit (384 preps)	384



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