

MINI High-Speed Plasmid Columns and Collection Tubes



Revised: 12/17/10

For research use only

- Sample** : 1-4ml of cultured bacterial cells
- Yield** : up to 30 μ g of plasmid
- Format** : spin column
- Operation time** : 30 minutes
- Elution volume** : 50-100 μ l

Introduction

IBI replacement MINI High-Speed Plasmid columns are designed for rapid isolation of plasmid DNA from 1-4ml of cultured bacterial cells. The modified alkaline lysis method and RNase treatment are used to obtain clear cell lysate with minimal genomic DNA and RNA contamination. IBI MINI High-Speed Plasmid columns contain a glass fiber matrix, similar to other DNA purification products on the market today that utilize the lysis method followed by DNA binding, washing, and subsequent elution of the DNA from the column. These columns can be used to utilize left-over reagents from completed kits. Protocols from the original complete kit (regardless of brand) may be used with these columns as well.

Quality Control

The quality of the MINI High-Speed Plasmid Columns and Collection Tubes are tested on a lot-to-lot basis by isolating plasmid DNA from a 4ml overnight E. coli (DH5A) culture, containing plasmid pBluescript (A600 > 2U/ml). Following the purification process, a yield of more than 20 μ g is expected and the ratio of A260/A280 is between 1.7 and 1.9. The purified plasmid (1 μ g) is used in EcoR I digestion, and checked by electrophoresis.

Kit Contents

Name	IB47105	IB47106	IB47107
PD Column	25	50	100
2ml Collection Tube	25	50	100

Order Information

- IB47105** - MINI High-Speed Plasmid Columns & Collection Tubes - 25 Pack
- IB47106** - MINI High-Speed Plasmid Columns & Collection Tubes - 50 Pack
- IB47107** - MINI High-Speed Plasmid Columns & Collection Tubes - 100 Pack

Also See

- IB47080** - PCR/Gel DNA Fragment Extraction Columns & Collection Tubes - 25 Pack
- IB47081** - PCR/Gel DNA Fragment Extraction Columns & Collection Tubes - 50 Pack
- IB47082** - PCR/Gel DNA Fragment Extraction Columns & Collection Tubes - 100 Pack
- IB47205** - MINI Genomic DNA Columns & Collection Tubes - 25 Pack
- IB47206** - MINI Genomic DNA Columns & Collection Tubes - 50 Pack
- IB47207** - MINI Genomic DNA Columns & Collection Tubes - 100 Pack

