

MINI High-Speed Plasmid Columns and Collection Tubes

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

Revised: 12/17/10

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