

MAXI Fast-Ion Plasmid Columns

For research use only



Sample	: up to 100ml for High-Copy Plasmid up to 250ml for Low-Copy Plasmid
Yield	: 500µg to 1mg of plasmid DNA
Format	: Ion-Exchange Resin Column
Operation	: Gravity flow and Centrifugation
Operation time	: 120 minutes or less
Binding Capacity	: 1mg
Purity	: Equal to that obtained by 2XCsCl-Gradient Centrifugation
Applications	: Transfection, Sequencing, In-Vitro Transcription, Microinjection, Restriction Digestion
Plasmid Size Limit	: 10kb

Revised: 7/15/11

Introduction

IBI replacement MAXI Fast-Ion Plasmid Columns use a pre-packed ion-exchange resin to purify plasmid or csmid DNA from bacterial cultures. In this process, the modified alkaline lysis method and RNase treatment are used for creating clear lysate with minimal genomic DNA and RNA contamination. IBI replacement MAXI columns can be used with reagents from competitive MAXI plasmid kits that also use a lysis method. IBI replacement MAXI plasmid columns utilize gravity flow for equilibration of the column, DNA binding, washing, and elution. Centrifugation is used in the neutralization step.

Quality Control

The quality of the IBI MAXI Fast-Ion Plasmid Columns are tested on a lot-to-lot basis by isolating plasmid DNA from a 100ml overnight *E. coli* (DH5a) culture, containing plasmid pBluescript (A600 > 2µ/ml). More than 400µg of plasmid DNA is quantified with a spectrophotometer. The purified plasmid (1µg) is used in EcoR I digestion, and checked by electrophoresis.

Kit Contents

Name	IB47126	IB47127
MAXI Column	10	25

Order Information

IB47126 - MAXI Fast-Ion Plasmid Columns - 10 Pack

IB47127 - MAXI Fast-Ion Plasmid Columns - 25 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

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

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