

MAXI Fast-Ion Plasmid Columns

FOR RESEARCH USE ONLY



SCIENTIFIC

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ISO 9001 Certified

Protocol

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
Purity _____ Equal to that obtained by 2XCsCl-Gradient Centrifugation
Applications _____ Transfection, Sequencing, In-Vitro Transcription,
Microinjection, Restriction Digestion
Plasmid Size Limit _____ 10kb

K I T C O N T E N T S

Component	IB47126	IB47127
MAXI Column _____	10 _____	25 _____

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.

ORDER INFORMATION

IB47126 _____ MAXI Fast-Ion Plasmid Columns - 10 Pack
IB47127 _____ MAXI Fast-Ion Plasmid Columns - 25 Pack

ALSO CHECK OUT THESE PRODUCTS

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

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