

HiPure DNA Maxi Column C (8 x GF/B)

Introduction

Magen's HiPure columns are prepared by high quality glass fiber filter membrane as raw materials through membrane cutting, membrane release, ring release, ring pressing, gland, weighing and other processes. HiPure nucleic acid adsorption columns have the characteristics of long-term stability and high binding capacity. Experiments show that the highest binding capacity and binding efficiency of HiPure nucleic acid adsorption columns are basically unchanged when stored at room temperature for 4 years.



Adsorption mechanism

Based on the negatively charged DNA skeleton, it has a high affinity for positively charged glass fibers. In high salt and ethanol solutions, DNA/RNA binds to glass fiber and interacts with hydrophilic matrix on silica through hydrogen bond. DNA/RNA is tightly bound. All pollutants can be removed by washing solution. At high salt concentration, nucleic acids selectively bind to silica gel membrane, while other pollutants, mainly proteins, are removed by membrane washing.

Ordering information

| CAT.No. | Product Name | Package |
|---------|---|---------|
| C13124 | HiPure DNA Maxi Column C (8 x GF/B) with two of 50ml High speed centrifuge Tubes | 100/Bag |

Specification

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| Recommended application | Plasmid Maxi preparation |
| Preservation conditions | Room temperature |
| stability | Up to 4 years |
| Filter membrane | High quality glass fiber filter GF/B, 8 layers |
| Membrane aperture | 1.0um |
| Plasmid yield | Up to 1mg |
| Single liquid carrying capacity of column | 12 ml |
| Minimum elution volume | 700ul |
| Withstand centrifugal force | 8000rpm |
| centrifuge | Low speed centrifuge for 50ml Centrifuge Tubes, >8000rpm swing-out Rotor, or Fixed Angle Rotor |