

## HiPure gDNA Maxi Column (4 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
C13122	HiPure gDNA Maxi Column (4 x GF/B) with 50ml Collection Tubes	100/Bag

### Specification

Recommended application	gDNA Maxi Yield preparation, Total RNA Maxi preparation
Preservation conditions	Room temperature
stability	Up to 4 years
Filter membrane	High quality glass fiber filter GF/B, 4 layers
Membrane aperture	1.0um
gDNA or RNA Yield (>30% ethanol)	Up to 5mg
Single liquid carrying capacity of column	20ml
Minimum elution volume	800ul
Withstand centrifugal force	3,000~5,000 x g
centrifuge	Low speed centrifuge for 50ml Centrifuge Tubes, >3000 x g swing-out Rotor