

HiPure CFDNA Mini Column

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
C13113	HiPure Viral Mini Column (3 x GF/F) with 2ml Collection Tubes, Extender Tubes, Vac-Connector	100/Bag

Specification

Recommended application	Circulating or Viral Nucleic acid Isolation from large volumes of cell free samples(1~5ml)
Preservation conditions	Room temperature
stability	Up to 4 years
Filter membrane	High quality glass fiber filter
Membrane aperture	0.7um
Maximum binding yield of plasmid	30ug
Maximum yield of alcohol mediated Binding	200ug
Single liquid carrying capacity of column	800ul
Minimum elution volume	30ul
Withstand centrifugal force	16,000 x g
centrifuge	Small high speed centrifuge (2ml)