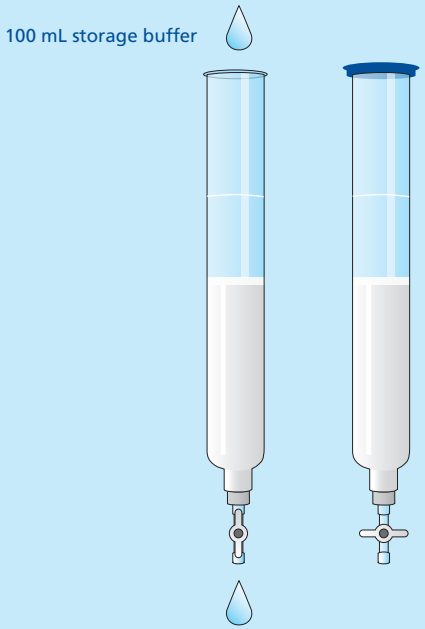
5. Column Storage



For storage, prepare a buffer containing one of the following: 20% ethanol in water, 0.02% sodium azide in water, or 0.15% ProClin in water. Allow 800 mL of storage buffer to flow through the column. Discard the eluent*. Add an additional 100 mL of storage buffer, close the stopcock, and reseal the blue upper cap onto the top of the column.

Store upright at ambient temperature or refrigerate (DO NOT FREEZE) and keep out of prolonged direct sunlight.

* Dispose of ethanol, sodium azide or ProClin 150 solutions according to approved local disposal regulations.

related products:

Cat. No. CP-0109
CentriPure N2
Gel filtration column
for 200 µL sample volume

Cat. No. CP-0103
CentriPure N5
Gel filtration column
for 0.5 mL sample volume

Cat. No. CP-0104
CentriPure N10
Gel filtration column
for 1.0 mL sample volume

Cat. No. CP-0105
CentriPure N25
Gel filtration column
for 2.5 mL sample volume

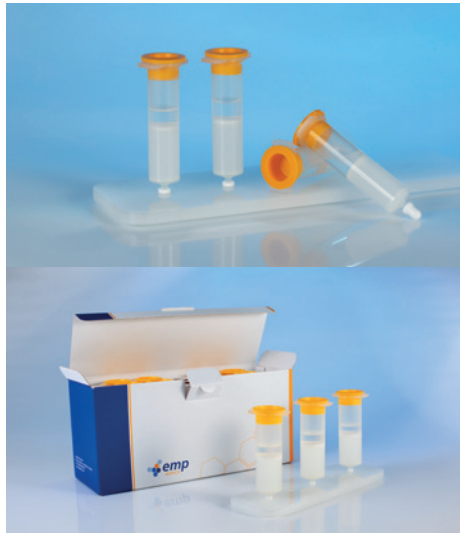
Cat. No. CP-0112
CentriPure N50
Gel filtration column
for 5.0 mL sample volume

Cat. No. CP-0118
CentriPure N100
Gel filtration column
for 10 mL sample volume

Cat. No. CP-0151
CentriPure N1000
Gel filtration column
for 100 mL sample volume

Cat. No. CP-0145
CentriPure Dolly Mix
Assorted columns for desalting nucleic acids
Five each of N2, N5, N10 and N25 columns

Cat. No. CP-9914
LabRack for CentriPure columns
The LabRack column processing station
makes purification easy and convenient



Hazard and Precautionary Statements

WARNING

	Contains ProClin 150
H317	**May cause an allergic skin reaction.**
P262	Do not get in eyes, on skin, or on clothing.
P280	Wear protective gloves, protective clothing, eye protection and face protection.
P302/P352	If on skin: Gently wash with soap and water.
P305 P338 P351	If in eyes: Rinse cautiously with water for several minutes. If possible, remove contact lenses and continue rinsing.

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registration number 011001300789 (TÜV Rheinland)

10.2018

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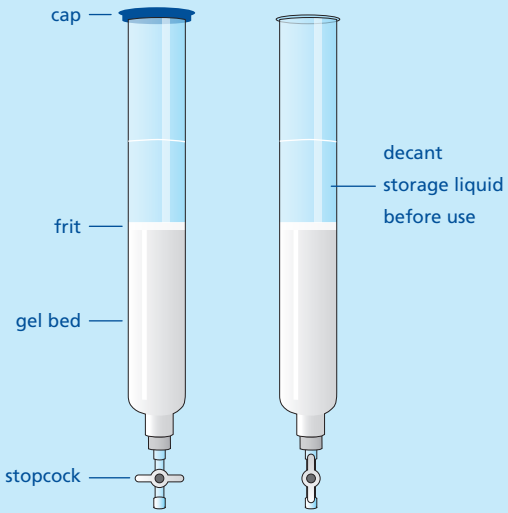
Cat. No. CP-0123

CentriPure N500

Hydrated gel filtration column for nucleic acid purification and desalting

Instructions for use

1. Column Preparation



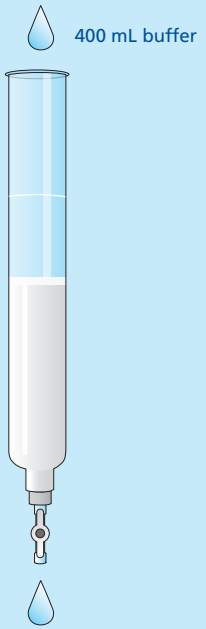
Allow the column to warm to ambient temperature if it has been refrigerated. Check to ensure the stopcock is in the closed position. Carefully remove the blue cap from the top of the CentriPure N500 column. Decant the storage liquid above the upper frit into a suitable waste reservoir.*

Clamp the column plumb-vertical to a stable laboratory stand.

Place a suitable waste reservoir under the outlet, open the stopcock and allow any excess column fluid to completely drain out via gravity.

* The storage fluid contains 0.15% ProClin 150. Dispose of ProClin 150 solutions according to approved local disposal regulations.

2. Column Equilibration



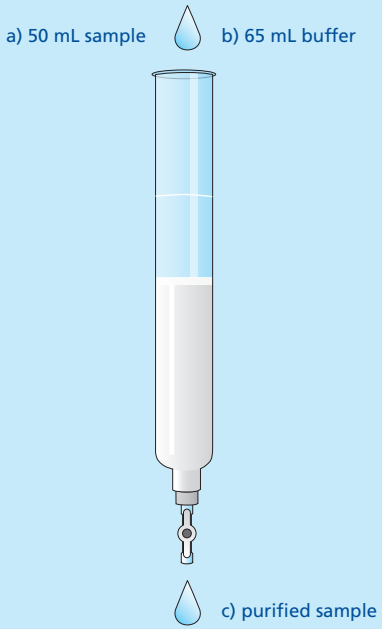
Ensure that the stopcock remains continuously in the open position during sample processing. The column is designed for the flow to stop after all fluid has entered the gel bed with no fluid above the upper frit. There is no need to close the stopcock during sample processing.

Choose a buffer (or pure water) which is appropriate for your specific application. Use this buffer for both equilibration and elution steps.

To equilibrate the column, wash the gel bed by allowing 400 mL of buffer to flow through the column.

Discard all eluent.

3. Sample Application and Elution

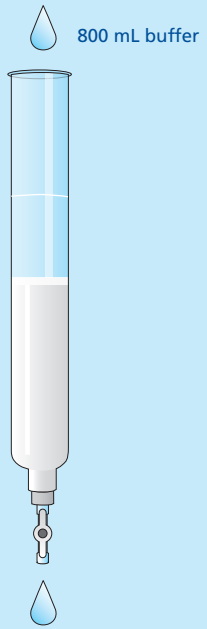


Carefully and evenly transfer a 50 mL sample onto the top of the upper frit. Allow the sample to completely enter the gel bed. Some eluent will flow out of the column and this can be discarded.

Replace the waste reservoir with a sample collection container and place this at the outlet of the column. Carefully and evenly transfer 65 mL of the buffer onto the top of the upper frit of the column. Allow the buffer to completely enter the gel bed.

The purified sample will immediately elute into the sample collection container. After the flow has completely stopped, the purification is complete. Small molecular weight impurities remain in the column bed and must be washed away before re-use.

4. Regeneration and Cleaning



Check to ensure the stopcock is in the open position. Place a suitable waste reservoir at the outlet.

For regeneration, choose a buffer (or pure water) and wash the column bed by allowing 800 mL of the buffer to flow through the column. Discard all eluate. The column is now ready for Sample Application and Elution (Step 3).

For cleaning, allow 800 mL of 0.5 M NaOH to flow through the column. Wait 30 minutes, then wash the column bed with a minimum of 1500 mL of buffer or water until the pH has stabilized at that of the buffer (or at under 7.5 for water). The column is now ready for Sample Application and Elution (Step 3) or for Column Storage (Step 5).