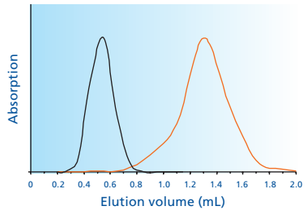
CentriPure 96

Gel Filtration Column Array 300-Z25M
for rapid purification, desalting, and buffer exchange of:

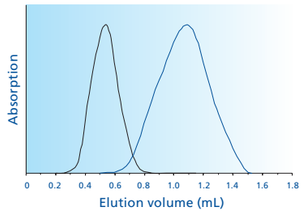
- Nucleic acids
- Proteins and antibodies

- Purifies samples of 150-300 µL into a final volume of 300-500 µL.
- Contains Zetadex-25 size exclusion resin.
- Simultaneously processes 96 samples.
- Designed specifically for automated systems using standard SLAS microplate footprint.

Typical application examples (proteins):



Elution profile overlay of ovalbumin (1 mg/mL) and free dye (TAMRA, 0,1 µmol) in a 200 µL sample volume.



Desalting of protein solution (1 mg albumin (OvA) in 1 mL 0.8 M NaCl), elution with water (200 µL sample volume)

CentriPure Gel Filtration Column Arrays

Product Code: CP-0584
CentriPure 96 Column Array 400-Z25M
Gel filtration column array simultaneously processes 96 samples of 400 µL sample volume

Product Code: CP-0585
CentriPure 96 Column Array 500-Z25M
Gel filtration column array simultaneously processes 96 samples of 500 µL sample volume

Accessories:

Waste collection plate (1 Chamber)
Sample collection plate (96 chambers)

Hazard and Precautionary Statements

WARNING

H317	**Contains ProClin™ 150. May cause an allergic skin reaction.**
P262	Do not get in eyes, on skin, or on clothing.
P280	Wear protective gloves, protective clothing, eye 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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CHR-7026-02 · 05.2025

Product Code: CP-0583

CentriPure 96

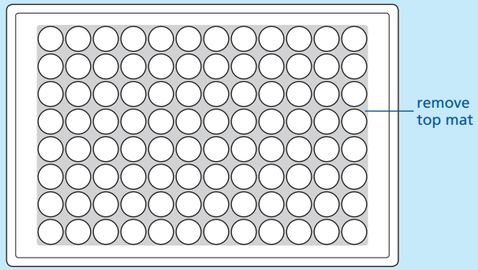
Gel Filtration Column Array 300-Z25M
for rapid purification, desalting, and buffer exchange

For rapid desalting or buffer exchange
- of oligonucleotides longer than 10 bp/nt
- of proteins larger than 5 kDa
- of spheroidal nanoparticles greater than 2 nm Ø

Purifies samples of 150-300 µL into a final volume of 300-500 µL.

Instructions for use

1. Column Preparation



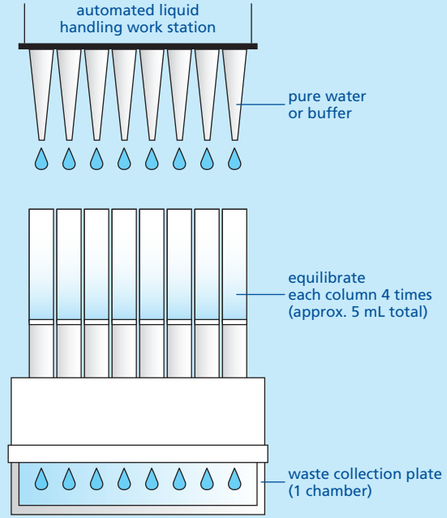
Carefully remove the top mat and then remove the bottom mat of the **CentriPure 96** Column Array. The bottom mat may be replaced to store unused columns when less than 96 columns are processed.

Allow excess column fluid to drain (via gravity) into the waste collection plate.

If all 96 columns are processed simultaneously, a slightly reduced pressure may be used with a manifold to speed up this process.

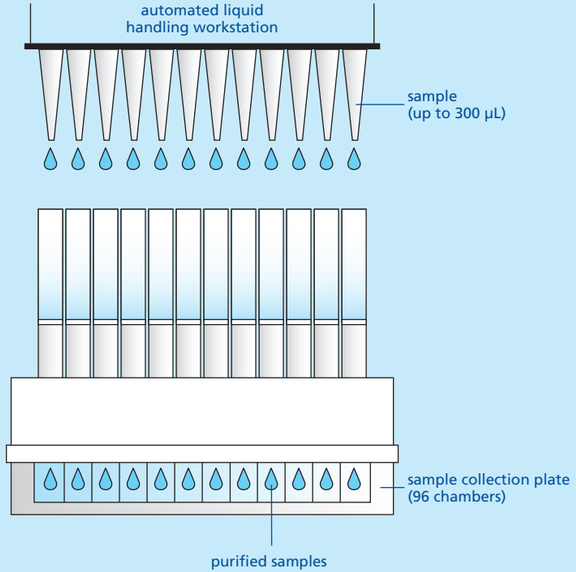
Please note: The Array is not intended to be centrifuged!

2. Column Equilibration



Choose a buffer for your specific application and use this same buffer for both equilibration and elution steps. To equilibrate the column, allow the buffer to enter the gel bed completely and to drain into the waste collection plate.

3. Sample Application and Elution



Please note: Do not use vacuum for this step!

Transfer your sample (up to 300 µL) to the **CentriPure 96 Column Array**. Allow the sample to enter the gel bed completely using the waste collection plate. Do not use vacuum for sample application.

Using the chart below, determine the pre-run volume and elution volume for your sample size. Transfer the pre-run volume to each column and let it completely enter the gel bed without vacuum.

Place the sample collection plate under the **CentriPure 96 Column Array**. Add the elution volume to the column and elute the purified sample.

Sample volume	Pre-run volume	Elution volume	Protein recovery*	Salt removed
150 µL	200 µL	300 µL	98 %	99.9 %
200 µL	150 µL	350 µL	98 %	99.6 %
250 µL	100 µL	400 µL	98 %	99.6 %
300 µL	0 µL	500 µL	98 %	98.9 %

* determined using 1 mg/mL ovalbumin in 0.8 M NaCl