Overview for varying sample volumes (150 – 300 µL)

Sample volume	Chase volume	Elution volume	Oligo recovery*	Salt removed*
150 µL	200 µL	300 µL	95 %	99.9 %
200 µL	150 µL	350 µL	94 %	99.4 %
250 µL	100 µL	400 µL	96 %	99.1 %
300 µL	0 µL	500 µL	95 %	96.2 %

* determined using 0.064 µmol/mL oligonucleotide in 0.8 M NaCl

Sample volume	Chase volume	Elution volume	Protein recovery*	Salt removed*
150 µL	200 µL	300 µL	98 %	99.9 %
200 µL	150 µL	350 µL	97 %	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

CentriPure Gel Filtration Columns

Our ready-to-use columns are available for the following sample volumes: 0.15-0.3 mL, 0.5 mL, 1 mL, 2.5 mL, 5 mL, 10 mL, 20 mL, 30 mL, 40 mL, 50 mL, 100 mL and 150 mL.

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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Cat. No. CP-0501

CentriPure 2-Z25M

Hydrated gel filtration column for rapid purification, desalting, and buffer exchange of biomolecules:

- Nucleic acids
- Proteins and antibodies

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

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

Contains Zetadex-25 size exclusion resin.

Instructions for use

1. Column Preparation

Remove the cap from the top and then the bottom cap of the **CentriPure 2** column.

Allow excess column fluid to drain (via gravity) into a suitable waste reservoir.

2. Column Equilibration

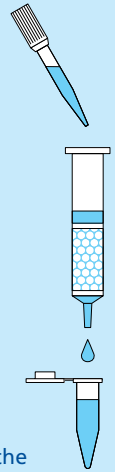
Choose a buffer for your specific application and use this same buffer for both equilibration and elution steps.

To equilibrate the column, allow the equilibration buffer to enter the gel bed completely and continue elution until approximately 5 mL of buffer has been eluted.

3. Sample Application

Transfer the sample to the **CentriPure 2** column. Allow the sample to enter the gel bed completely. If required, add elution buffer* to the column as a chase volume and allow it to enter the gel bed completely.

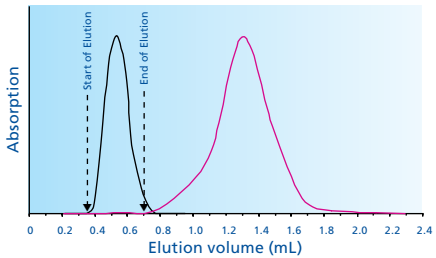
4. Elution



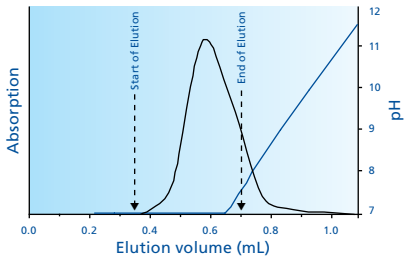
Place a tube for sample collection under the **CentriPure 2** column. Add elution buffer* to the column and elute the purified sample.

* please refer to the table on the back page for sample, chase and elution volumes

Typical application examples (nucleic acids):

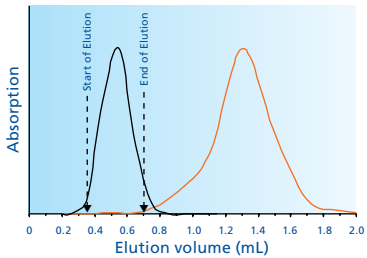


Elution profile overlay of 0.1 µmol 5-TAMRA and 0,04 µmol oligonucleotide (200 µL sample volume)

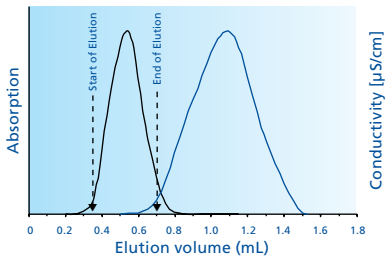


Separation of oligonucleotide from conc. ammonia after cleavage from solid support and removal of protecting groups (18-mer, Scale: 0.04 µmol, 200 µL vol.)

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)