

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.

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.

emp BIOTECH GmbH · Robert-Rössle-Str. 10 · 13125 Berlin · Germany
Tel. +49 (0)30 94 89 22 01 · info@empbiotech.com · www.empbiotech.com

emp BIOTECH GmbH is an ISO 9001:2015 certified company
registration number 011001300789 (TÜV Rheinland)

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CentriPure 2-Z50M

Hydrated gel filtration column for rapid purification, desalting, and buffer exchange of biomolecules including nucleic acids, proteins, and antibodies.



For rapid desalting or buffer exchange

- of oligonucleotides longer than 20 bp/nt
- of proteins larger than 25 kDa
- of spheroidal nanoparticles greater than 4 nm Ø

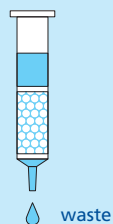
Purifies samples of 150-300 µL into a final volume of 300-500 µL.

Contains Zetadex-50 size exclusion resin, Medium grade.

Instructions for use

1

Column Preparation

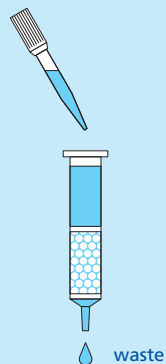


First, hold the column upright and use your thumb to gently push the top cap upward until it dislodges. Then, remove the bottom cap.

Allow any excess column fluid to drain by gravity into a suitable waste reservoir.

2

Column Equilibration

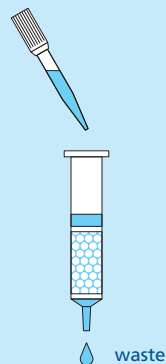


Select a buffer suited to your specific application and use the same buffer for both equilibration and elution.

To equilibrate the column, allow the equilibration buffer to fully enter the gel bed, then continue elution until approximately 5 mL of buffer has been collected.

3

Sample Application

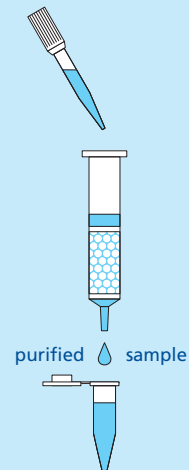


Transfer the sample to the **CentriPure 2** column and allow it to fully enter the gel bed.

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

4

Elution



Position a collection tube beneath 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