

CentriPure N Hydrated Gel Filtration Columns

For rapid nucleic acid purification,
desalting, and buffer exchange



Desalt from 1.0 M
to under 0.01 M
in minutes

CentriPure N Gel Filtration Columns are specifically designed for rapid and efficient removal of small molecules from nucleic acids.

Ultrapure gel and specially treated sinter frits ensure outstanding resolution and high selectivity.

quick
simple
efficient



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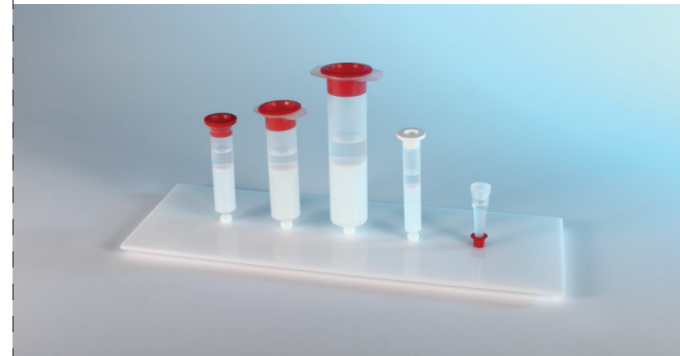
easy 4 step protocol



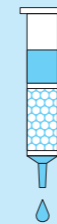
The gel matrix of **CentriPure** is **Zetadex-25**, a beaded composite material developed by **emp BIOTECH** and comprised of ultrapure cross-linked dextran. It exhibits high selectivity, high resolution and chemical stability.

Molecules purified with **Zetadex-25** are separated according to size. Smaller molecules pass significantly slower through the column than larger molecules. Buffer and pH effects on resolution are minimal.

The molecular weight cut-off (MWCO) for **Zetadex-25** is 10 bases for nucleic acids. Oligonucleotides larger than 10 bases are typically purified with a 1.5-fold elution volume.



1. Column Preparation



Remove the cap from the top and then the white bottom cap of the **CentriPure N** Column.

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

2. Column Equilibration



Equilibrate the column by loading it with 5x the bed volume of water or buffer (use the same buffer for equilibration and elution). Allow the equilibration buffer to drain completely.

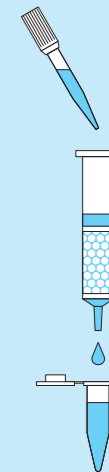
3. Sample Application



Transfer the sample to the **CentriPure N** Column.

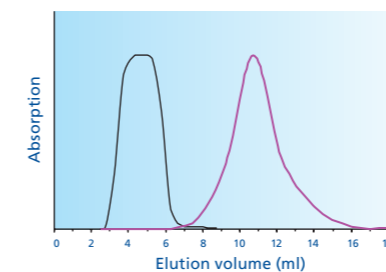
Allow the sample to enter the gel bed completely.

4. Elution

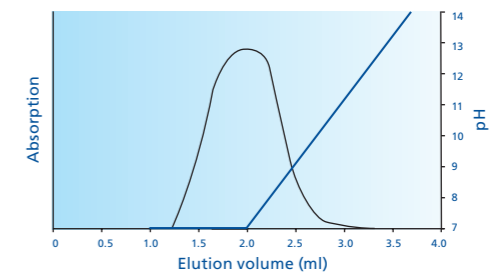


Place a tube for sample collection under the **CentriPure N** Column. Transfer the elution buffer to the column and elute the purified sample.

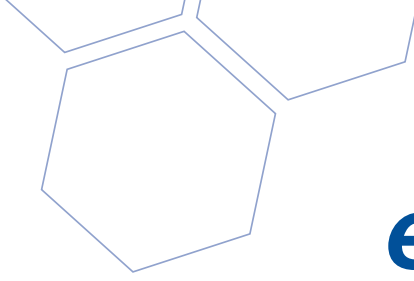
High Performance Results:



Elution profile overlay of 2.5 μmol 5-TAMRA and 0.25 μmol oligonucleotide (2.5 ml sample volume).



Separation of 10 M ammonia and oligonucleotide after cleavage from solid support and removal of protecting groups (18-mer, Scale: 0.2 μmol , 1 ml sample volume). Elution with water.



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| Catalog No. | Name | Sample Volume | Pack Size |
|-------------|-----------------|---------------|------------|
| CP-0109 | CentriPure N2 | 150 – 300 µl | 50 Columns |
| CP-0103 | CentriPure N5 | 0.5 ml | 50 Columns |
| CP-0104 | CentriPure N10 | 1.0 ml | 50 Columns |
| CP-0105 | CentriPure N25 | 2.5 ml | 25 Columns |
| CP-0112 | CentriPure N50 | 5.0 ml | 10 Columns |
| CP-0118 | CentriPure N100 | 10.0 ml | 10 Columns |

Select
the right column
for the volume
of your sample.

For more information, please contact us at +49 30 9489 2201
or tech@empbiotech.com

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