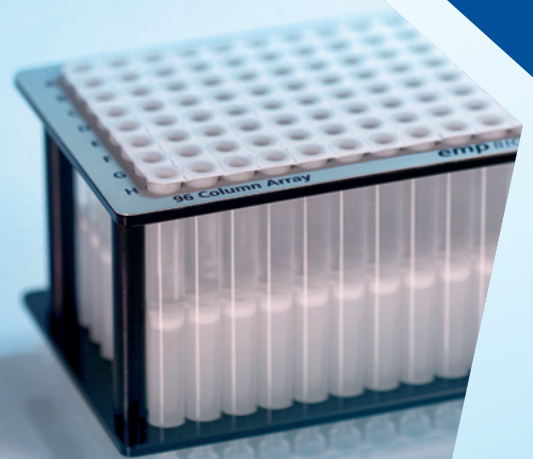


CentriPure 96 Midi Gel Filtration Column Array

designed specifically for automated systems
simultaneously processes 96 samples up to 300 μ L
standard ANSI-SBS microplate footprint

The CentriPure 96
Column Array is designed
for 96 simultaneous purifications
of proteins, oligonucleotides,
or spheroidal nanoparticles
in a convenient microplate
format.

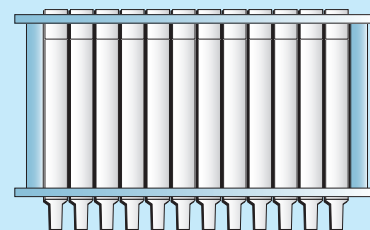


*excellence
made possible*

CentriPure 96 Midi Gel Filtration Column Array

1. Column Preparation

- Carefully remove the desired number of cap strips from the top of the array and then remove the entire bottom sealing foil.
- Allow excess column fluid to drain (via gravity) into a suitable waste reservoir. A vacuum of 950 mbar may be used with a manifold to accelerate this process.



2. Column Washing / Equilibration

- Wash each column 4 times (approx. 5 mL total) with either deionized water or buffer (use the same buffer for both equilibration and elution).
- Allow the wash buffer to drain completely between each aliquot. A vacuum of 950 mbar may be used to speed up the washing process.

3. Sample Application

- Load your samples (up to 300 μL) to each column of the array. Do not use vacuum for sample application. If the sample volume is less than 150 μL , add enough wash or equilibration buffer so that the combined volume of each sample equals 150 μL .

4. Elution

- Using the chart below, determine the pre-run and elution volumes specific for your sample size.
- Load the pre-run volume to each column and let it completely enter the gel bed. Do not use vacuum.
- Place a collection plate for sample collection under the array.
- Load the correct elution volume to each column and elute the purified sample by gravity.

Sample volume	Pre-run 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 64 nmol/mL 25-mer oligo in 0.8 M NaCl

Also available:

CentriPure 96 Micro Array
(100 μ L sample vol.)

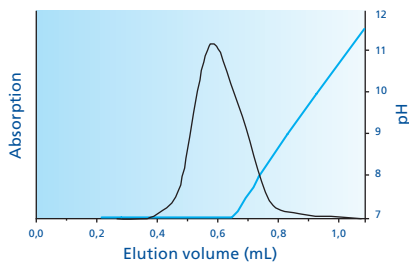
CentriPure 96 Maxi Array
(500 μ L sample vol.)

CentriPure 96 Midi

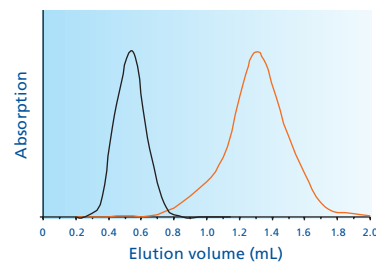
- designed specifically for automated systems
- simultaneously processes 96 samples up to 300 μ L
- standard ANSI-SBS microplate footprint

The **CentriPure N96** Column Array for removal of small molecules such as salts, dyes, ammonia, biotin, etc. from nucleic acids longer than 10 bases.

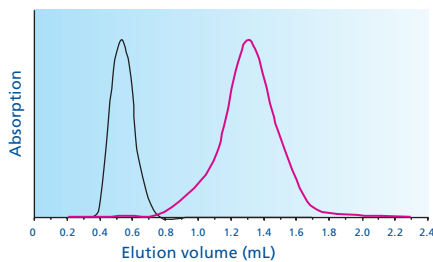
The **CentriPure P96** Column Array for removal of small molecules such as buffer salts, dyes, and haptens from proteins larger than 5 kD.



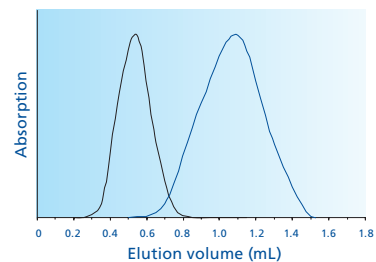
Separation of oligonucleotide from conc. ammonia after cleavage from solid support and removal of protecting groups (18-mer, Scale: 0.04 μ mol, 200 μ L sample volume).



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



Elution profile overlay of 0.1 μ mol 5-TAMRA and 0.04 μ mol oligonucleotide (200 μ L sample volume).



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



please
ask for our
CentriPure 48 and
CentriPure 24
Arrays

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

emp BIOTECH LLC
1001 Route 9 North, Suite 201
Howell, NJ 07731 · USA
Tel. +1 732-409-2600

info@empbiotech.com

www.empbiotech.com

09.2021

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