

CentriPure Gel Filtration Plates with Zetadex Size Exclusion Resin

For desalting, buffer exchange, and removal of free labels



For centrifugation
protocols using a
swinging bucket rotor

CentriPure Gel Filtration Plates are precision filled with **Zetadex**, a beaded composite material developed by **emp BIOTECH** and comprised of ultrapure cross-linked dextran.

They are specifically designed for desalting, buffer exchange and rapid removal of compounds such as dye terminators, dNTPs, salts, nucleic acid fragments, biotin and other low molecular weight haptens.

Zetadex exhibits high selectivity, high resolution and chemical stability.

The molecular weight cut-off (MWCO) for **Zetadex-25** is 5 kD for proteins and 10 bases for nucleic acids.

For **Zetadex-50**, the cut-offs are 25 kD and 20 bases respectively.



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Name	No. of Wells	Well Vol. (µL)	Plate Height (mm)	Short or Long Drip Directors	Gel Bed Vol. (µL)	Max. Sample Vol. (µL)	For Proteins/ Nucleic Acids greater than	Matrix	Mode of Operation	Catalog No.
Centri Pure 384-135LD50 Gel Filtration Plate 135 µL Well Volume	384	140	15	Long	100	10	25 kD/20 bases	Z-50SF	Centrifuge 3 minutes at 1000xG	CP-0102
Centri Pure 96-400SD50 Gel Filtration Plate 400 µL Well Volume	96	400	20	Short	320	20	25 kD/20 bases	Z-50SF	Centrifuge 3 minutes at 1000xG	CP-0115
Centri Pure 96-400LD50 Gel Filtration Plate 400 µL Well Volume	96	400	20	Long	320	20	25 kD/20 bases	Z-50SF	Centrifuge 3 minutes at 1000xG	CP-0116
Centri Pure 96-800SD50 Gel Filtration Plate 800 µL Well Volume	96	800	31	Short	400	30	25 kD/20 bases	Z-50SF	Centrifuge 3 minutes at 1000xG	CP-0101
Centri Pure 96-800SD25 Gel Filtration Plate 800 µL Well Volume	96	800	31	Short	400	30	5 kD/10 bases	Z-25SF	Centrifuge 3 minutes at 1000xG	CP-0130
Centri Pure 96 Gel Filtration Plate 1000 µL Well Volume	96	1000	38	Long	650	40	25 kD/20 bases	Z-50SF	Centrifuge 3 minutes at 1000xG	CP-0125
Centri Pure 96 Gel Filtration Plate 2000 µL Well Volume	96	2000	44	Long	1300	80	25 kD/20 bases	Z-50SF	Light Vacuum	CP-0114

Special or custom resin and buffer filling available on request.
Please contact us at +49 30 9489 2201 or tech@empbiotech.com

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Standard **CentriPure Plates** are hydrated with sterile purified water without preservatives, salts or buffers.

The filtration plate is made from sterile medical-grade polypropylene. Each gel bed is supported on an individual ultra high molecular weight PE filter membrane with pore size of 25 microns.

Products may be collected into standard 96 or 384 well format collection plates (not supplied) for subsequent processing.

The purification protocol consists of a simple 2 to 3 minute spin to remove excess fluid from the wells. The samples are then loaded to the plate and spun again for two to three minutes to purify without significant dilution.

Total hands on time is under 7 minutes.

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