

Clarion™ Gel Filtration Plates, 96-Well

Clarion™ gel filtration plates are precision filled with SorbaDex™, a beaded composite material 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.

SorbaDex™ exhibits high selectivity, high resolution, and chemical stability. The molecular weight cut-off (MWCO) for SorbaDex™-25 is 5 kD for proteins and 10 bases for nucleic acids. For SorbaDex™-50, the cut-offs are 25kD and 20 bases respectively. Standard Clarion™ 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 two to three 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 seven minutes.

Specifications

Cat No.	Description	No. of Wells	Well Vol.	Plate Height	Max Sample Vol.	Gel Bed Vol.	Matrix	Drip Director length	Proteins / Nucleic Acids >	Mode of Operation
802009	Clarion™ 384-125LD50 Gel Filtration Plate	384	140 µL	15 mm	10 µL	100 µl	S-50SF	Long	25 kD/20 bases	Centrifuge 3 minutes at 1000xG
802002	Clarion™ 96-400SD50 Gel Filtration Plate	96	400 µL	20 mm	20 µL	320 µl	S-50SF	Short	25 kD/20 bases	Centrifuge 3 minutes at 1000xG
802003	Clarion™ 96-400LD50 Gel Filtration Plate	96	400 µL	20 mm	20 µL	320 µl	S-50SF	Long	25 kD/20 bases	Centrifuge 3 minutes at 1000xG
802004	Clarion™ 96-800SD50 Gel Filtration Plate	96	800 µL	31 mm	30 µL	400 µl	S-50SF	Short	25 kD/20 bases	Centrifuge 3 minutes at 1000xG
802005	Clarion™ 96-800SD25 Gel Filtration Plate	96	800 µL	31 mm	30 µL	400 µl	S-50SF	Short	5 kD/10 bases	Centrifuge 3 minutes at 1000xG
802007	Clarion™ 96 Gel Filtration Plate	96	1000 µL	38 mm	40 µL	650 µl	S-50SF	Long	25 kD/20 bases	Centrifuge 3 minutes at 1000xG
802001	Clarion™ 96 Gel Filtration Plate	96	2000 µL	44 mm	80 µL	1300 µl	S-50SF	Long	25 kD/20 bases	Light Vacuum