

Оборудование для равновесного диализа

Описание

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Fast Micro-Equilibrium Dialyzers (Reusable)

Reusable two-chamber system designed to be used in binding or interaction studies. For sample volumes from 25 to 1500 µl.

Membranes with molecular weight cut offs from 500 to 300,000 Da are available in regenerated cellulose, cellulose acetate and polycarbonate. (.) Additional chambers (links) can also be purchased for more complex configurations.

The QuikPrep® Fast Micro-Equilibrium Dialyzer is made of inert PTFE allowing for high levels of sample recovery. Each includes a body chamber, a link chamber, and two solid caps.

Item No.	Description
7416-251D	Fast Micro-Equilibrium Dialyzer, 25 µl Volume, Qty. of 1
7416-255D	Fast Micro-Equilibrium Dialyzer, 25 µl Volume, Qty. of 5
7416-501D	Fast Micro-Equilibrium Dialyzer, 50 µl Volume, Qty. of 1
7416-505D	Fast Micro-Equilibrium Dialyzer, 50 µl Volume, Qty. of 5
7416-1001D	Fast Micro-Equilibrium Dialyzer, 100 µl Volume, Qty. of 1
7416-1005D	Fast Micro-Equilibrium Dialyzer, 100 µl Volume, Qty. of 5
7416-2501D	Fast Micro-Equilibrium Dialyzer, 250 µl Volume, Qty. of 1

Item No.	Description
7416-2505D	Fast Micro-Equilibrium Dialyzer, 250 µl Volume, Qty. of 5
7416-5001D	Fast Micro-Equilibrium Dialyzer, 500 µl Volume, Qty. of 1
7416-5005D	Fast Micro-Equilibrium Dialyzer, 500 µl Volume, Qty. of 5
7416-10001D	Fast Micro-Equilibrium Dialyzer, 1000 µl Volume, Qty. of 1
7416-10005D	Fast Micro-Equilibrium Dialyzer, 1000 µl Volume, Qty. of 5
7416-15001D	Fast Micro-Equilibrium Dialyzer, 1500 µl Volume, Qty. of 1
7416-15005D	Fast Micro-Equilibrium Dialyzer, 1500 µl Volume, Qty. of 5
74-1108	End Cap for Reusable Dialyzers, solid, for 11/16" inner diameter, Qty of 2
74-1099	End Cap for Reusable Dialyzers, solid, for 15/16" inner diameter, Qty of 2
7416-251L	Link Chamber, 25 µl Volume, Qty. of 1
7416-255L	Link Chamber, 25 µl Volume, Qty. of 5
7416-501L	Link Chamber, 50 µl Volume, Qty. of 1
7416-505L	Link Chamber, 50 µl Volume, Qty. of 5
7416-1001L	Link Chamber, 100 µl Volume, Qty. of 1

Item No.	Description
7416-1005L	Link Chamber, 100 µl Volume, Qty. of 5
7416-2501L	Link Chamber, 250 µl Volume, Qty. of 1
7416-2505L	Link Chamber, 250 µl Volume, Qty. of 5
7416-5001L	Link Chamber, 500 µl Volume, Qty. of 1
7416-5005L	Link Chamber, 500 µl Volume, Qty. of 5
7416-10001L	Link Chamber, 1000 µl Volume, Qty. of 1
7416-10005L	Link Chamber, 1000 µl Volume, Qty. of 5
7416-15001L	Link Chamber, 1500 µl Volume, Qty. of 1
7416-15005L	Link Chamber, 1500 µl Volume, Qty. of 5



DETAILS



The QuikPrep® Fast Micro-Equilibrium Dialyzer is a unique equilibrium dialysis chamber for small samples 25 to 1500 μ l. It is ideally suited for binding assays or interaction studies. Two chambers with equivalent sample volumes are joined together with a membrane. In binding studies, one chamber contains a macromolecule while the other holds the ligand. The macromolecules are bound to their chamber while ligands are able to pass freely across the membranes to bind with the proteins. Once the chambers are at equilibrium samples can be extracted and the binding affinity determined. The entire assembly can be placed into a water bath for temperature controlled dialysis.

Membranes with molecular weight cut off from 500 to 300,000 Da are available to suit a wide range of applications. The large membrane surface to volume ratio allows for decreased dialysis times. The inert PTFE material allows for maximum sample retention, and allows the dialyzer unit to be autoclaved for reuse.

Each Fast Micro-Equilibrium Dialyzer includes a body chamber, a link chamber, and two solid caps. Additional links may be purchased for more complex configurations. Membranes are sold separately.

Advantages

- Easy to use

- Leak proof
- Reusable
- Inert to proteins
- High sample recovery
- Low protein binding
- Autoclavable

Applications

- Protein binding assays
- Protein-drug binding assays
- Receptor binding assays
- Ligand binding assays
- Protein-protein interactions
- Protein-DNA interactions



96-Well DispoEquilibrium Dialyzers (Single Use)

Unique 96-well dialyzer for simultaneous assay of 96 samples from 50 to 200 µl.

Each well has a separate membrane, eliminating the chance of cross contamination.

Plates with 10 kDa regenerated cellulose membranes are available. The plate wells can be sealed with either a pierceable self-sealing mat or through eight-cap strips which allow you to use the plate in sections, saving unneeded wells for future use. Each plate come with 24 eight-cap strips.

Item No.	Description
74-2331	96-Well DispoEquilibrium Dialyzer, 10 kDa MWCO Membrane, qty. of 1
74-2323	8-Cap Strip, pkg. of 12
74-2322	Plate Seal Mat, Pierceable, Self-Sealable, pkg. of 2



DETAILS



The QuikPrep® 96-Well DispoEquilibrium Dialyzer™ is a unique product for simultaneous assay of 96 samples. Each well has separate membrane eliminating the chance of cross contamination and can hold sample volumes between 50 and 200 μ l.

The plate is available with 10 kDa regenerated cellulose membranes. The wells can be sealed with either a pierceable self-sealing mat or through eight cap strips which allow you to use the plate in sections, saving unneeded wells for future use. Each plate comes with 24 eight cap strips.

96-Well DispoEquilibrium Dialyzer Plates must be used with a . The rotator increases the rate of dialysis and allows for constant motion of samples ensuring higher reproducibility. For temperature controlled studies the 8-Plate Rotator Incubator can be used.

Key Features

- 96-well format
- Individual membrane for each well
- Small sample volumes: 50 μ l to 200 μ l
- Ultra-thin regenerated cellulose membranes

- Membranes are free of sulfur and heavy metal contamination
- High well-to-well reproducibility
- Excellent sample recovery (>95%)
- Patented

Applications

- Protein and protein-drug binding assays
 - Receptor binding assays
 - Ligand binding assays
 - Protein-protein and Protein-
 - DNA interactions
-

Membranes for Fast Micro-Equilibrium Dialyzers

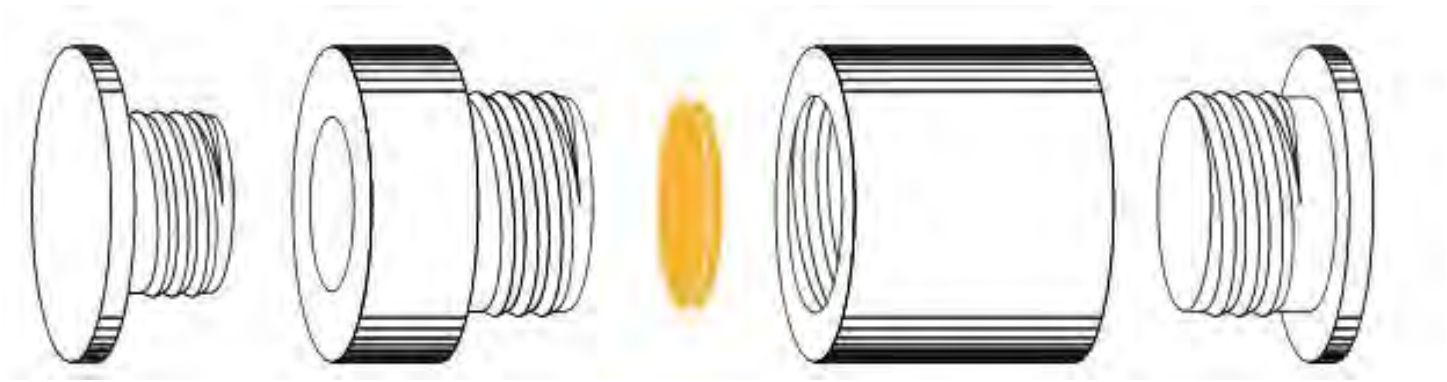
Available in MWCO's from 500 Da to 300 kDa. Choose from regenerated cellulose, cellulose acetate or polycarbonate. Precut for the Fast Micro-Equilibrium Dialyzer .

Item No.	Description
7416-RC1K	Regenerated Cellulose Membranes, 1 kDa MWCO, 25 to 250 µl Chamber Volumes, Qty. of 25
7415-RC2K	Regenerated Cellulose Membranes, 2 kDa MWCO, 250 to 1500 µl Chamber Volumes, Qty. of 25
7416-RC2K	Regenerated Cellulose Membranes, 2 kDa MWCO, 25 to 250 µl Chamber Volumes, Qty. of 25
7415-RC10K	Regenerated Cellulose Membranes, 10 kDa MWCO, 250 to 1500 µl Chamber Volumes, Qty. of 25
7416-RC10K	Regenerated Cellulose Membranes, 10 kDa MWCO, 25 to 250 µl Chamber Volumes, Qty. of 25
7415-RC25K	Regenerated Cellulose Membranes, 25 kDa MWCO, 250 to 1500 µl Chamber Volumes, Qty. of 25
7416-RC25K	Regenerated Cellulose Membranes, 25 kDa MWCO, 25 to 250 µl Chamber Volumes, Qty. of 25
7415-RC50K	Regenerated Cellulose Membranes, 50 kDa MWCO, 250 to 1500 µl Chamber Volumes, Qty. of 25
7416-RC50K	Regenerated Cellulose Membranes, 50 kDa MWCO, 25 to 250 µl Chamber Volumes, Qty. of 25

Item No.	Description
7416-CA10K	Cellulose Acetate Membranes,10 kDa MWCO, 25 to 250 µl Chamber Volumes, Qty. of 25
7415-RC1K	Regenerated Cellulose Membranes, 1 kDa MWCO, 250 to 1500 µl Chamber Volumes, Qty. of 25
7416-CA500	Cellulose Acetate Membranes, 500 Da MWCO, 25 to 250 µl Chamber Volumes, Qty. of 25
7416-CA2K	Cellulose Acetate Membranes, 2 kDa MWCO, 25 to 250 µl Chamber Volumes, Qty. of 25
7415-CA2K	Cellulose Acetate Membranes, 2 kDa MWCO, 250 to 1500 µl Chamber Volumes, Qty. of 25
7416-CA5K	Cellulose Acetate Membranes, 5 kDa MWCO, 25 to 250 µl Chamber Volumes, Qty. of 25
7415-CA5K	Cellulose Acetate Membranes, 5 kDa MWCO, 250 to 1500 µl Chamber Volumes, Qty. of 25
7416-CA25K	Cellulose Acetate Membranes, 25 kDa MWCO, 25 to 250 µl Chamber Volumes, Qty. of 25
7415-CA10K	Cellulose Acetate Membranes, 10 kDa MWCO, 250 to 1500 µl Chamber Volumes, Qty. of 25
7416-CA50K	Cellulose Acetate Membranes, 50 kDa MWCO, 25 to 250 µl Chamber Volumes, Qty. of 25
7415-CA25K	Cellulose Acetate Membranes, 25 kDa MWCO, 250 to 1500 µl Chamber Volumes, Qty. of 25
7416-CA1K	Cellulose Acetate Membranes,1 kDa MWCO, 25 to 250 µl Chamber Volumes, Qty. of 25
7415-CA50K	Cellulose Acetate Membranes, 50 kDa MWCO, 250 to 1500 µl Chamber Volumes, Qty. of 25

Item No.	Description
7416-CA100K	Cellulose Acetate Membranes,100 kDa MWCO, 25 to 250 µl Chamber Volumes, Qty. of 25
7415-CA300K	Cellulose Acetate Membranes, 300 kDa MWCO, 250 to 1500 µl Chamber Volumes, Qty. of 25
7416-CA300K	Cellulose Acetate Membranes, 300 kDa MWCO, 25 to 250 µl Chamber Volumes, Qty. of 25
7416-PC01	Polycarbonate Membranes, 0.01 µm Pore Size, 25 to 250 µl Chamber Volumes, Qty. of 25
7415-CA500	Cellulose Acetate Membranes, 500 Da MWCO, 250 to 1500 µl Chamber Volumes, Qty. of 25
7416-PC05	Polycarbonate Membranes, 0.05 µm Pore Size, 25 to 250 µl Chamber Volumes, Qty. of 25
7415-CA1K	Cellulose Acetate Membranes, 1 kDa MWCO, 250 to 1500 µl Chamber Volumes, Qty. of 25
7416-PC10	Polycarbonate Membranes, 0.10 µm Pore Size, 25 to 250 µl Chamber Volumes, Qty. of 25
7416-PC60	Polycarbonate Membranes, 0.60 µm Pore Size, 25 to 250 µl Chamber Volumes, Qty. of 25
7415-PC60	Polycarbonate Membranes, 0.60 µm Pore Size, 250 to 1500 µl Chamber Volumes, Qty. of 25
7415-PC01	Polycarbonate Membranes, 0.01 µm Pore Size, 250 to 1500 µl Chamber Volumes, Qty. of 25
7416-RC3.5K	Regenerated Cellulose Membranes, 3.5 kDa MWCO, 25 to 250 µl Chamber Volumes, Qty. of 25
7415-PC05	Polycarbonate Membranes, 0.05 µm Pore Size, 250 to 1500 µl Chamber Volumes, Qty. of 25

Item No.	Description
7415-RC3.5K	Regenerated Cellulose Membranes, 3.5 kDa MWCO, 250 to 1500 µl Chamber Volumes, Qty. of 25
7415-PC10	Polycarbonate Membranes, 0.10 µm Pore Size, 250 to 1500 µl Chamber Volumes, Qty. of 25



DETAILS

Membranes for the Fast Micro-Equilibrium Dialyzer are available in three different materials to suit your application.

Regenerated Cellulose: Constructed of a very stable cellulose, these membranes are resistant to solvents and inert to proteins, providing maximum sample retention. Available in MWCO's from 1-50 kDa, they have less defined pore sizes than the Cellulose Acetate Membranes.

Cellulose Acetate: Made of rayon and ideal for use with aqueous solutions, these membranes are inert to proteins providing high sample retention. They are not meant for use with any organic solvents. Available in MWCO's from 500 Da – 300 kDa, they have a more defined pore size than the Regenerated Cellulose Membranes.

Polycarbonate Membrane: Chemically resistant and ideal for use with acids and organic solvents, Polycarbonate Membranes are available with sharply defined pore sizes ranging from 0.01 µm – 0.60 µm.

Membranes ship dry to increase their shelf life. Membranes must be rehydrated before use.

DispoEquilibrium Dialyzers (Single Use)

Single use dialyzers for small samples from 25 µl to 75 µl. Choice of regenerated cellulose or cellulose acetate membrane.

The QuikPrep® DispoEquilibrium Dialyzer™ is an optimum choice for binding and interaction studies. It is made of inert PTFE allowing for maximum sample retention. Designed for one time use, the DispoEquilibrium Dialyzer is ideal in studies which use radiolabeled compounds, saving you the time of having to clean the chamber after each use.

Item No.	Description
74-2212	DispoEquilibrium Dialyzers, 500 Da MWCO Cellulose Acetate Membrane, Qty. of 25
74-2206	DispoEquilibrium Dialyzer, 1 kDa MWCO Regenerated Cellulose Membrane, Qty. of 25
74-2207	DispoEquilibrium Dialyzer, 1 kDa MWCO Regenerated Cellulose Membrane, Qty. of 50
74-2208	DispoEquilibrium Dialyzer, 1 kDa MWCO Regenerated Cellulose Membrane, Qty. of 100
74-0034	DispoEquilibrium Dialyzer, 3.5 kDa MWCO Regenerated Cellulose Membrane, Qty. of 25
74-0035	DispoEquilibrium Dialyzer, 3.5 kDa MWCO Regenerated Cellulose Membrane, Qty. of 50
74-0036	DispoEquilibrium Dialyzer, 3.5 kDa MWCO Regenerated Cellulose Membrane, Qty. of 100
74-2205	DispoEquilibrium Dialyzers, 10 kDa MWCO Regenerated Cellulose Membrane, Qty. of 25
74-2202	DispoEquilibrium Dialyzers, 10 kDa MWCO Regenerated Cellulose Membrane, Qty. of 50

Item No.	Description
74-2203	DispoEquilibrium Dialyzers, 10 kDa MWCO Regenerated Cellulose Membrane, Qty. of 100
74-2218	DispoEquilibrium Dialyzers, 25 kDa MWCO Regenerated Cellulose Membrane, Qty. of 100
74-2217	DispoEquilibrium Dialyzers, 50 kDa MWCO Regenerated Cellulose Membrane, Qty. of 100
74-2210	DispoEquilibrium Dialyzers, 25 kDa MWCO Cellulose Acetate Membrane, Qty. of 100
74-2211	DispoEquilibrium Dialyzers, 50 kDa MWCO Cellulose Acetate Membrane, Qty. of 100
74-2220	DispoEquilibrium Dialyzers, 100 kDa MWCO Cellulose Acetate Membrane, Qty. of 25
74-2219	DispoEquilibrium Dialyzers, 100 kDa MWCO Cellulose Acetate Membrane, Qty. of 100
74-2222	Loading Pipette Tips for DispoEquilibrium Dialyzer, Qty. of 100



DETAILS



The QuikPrep® DispoEquilibrium Dialyzer™ allows for equilibrium dialysis of samples from 25 µl to 75 µl with a built-in regenerated cellulose or cellulose acetate membrane. Optimal for binding and interaction studies, the DispoEquilibrium Dialyzer is made of inert PTFE allowing for maximum sample retention. Designed for one time use, the DispoEquilibrium Dialyzer is ideal in studies which use radiolabeled compounds, saving you the time of having to clean the chamber after each use.

Each DispoEquilibrium Dialyzer comes with two caps (one black, one white), two 0.65 ml sample tubes, and two pipette tips for sample delivery and recovery.

Key Features

- Easy to use & disposable
- Small sample volumes: 25 µl to 75 µl each chamber

- Rapid dialysis due to ultra-thin membrane
- High-quality regenerated cellulose membranes with MWCOs of 5,000 and 10,000 Daltons
- Leak-proof

Application

- Protein and protein-drug binding assays
- Receptor binding assays
- Ligand binding assays
- Protein-protein and protein-DNA interactions

SPECIFICATIONS



Item #	Membrane Material	MWCO, Daltons	Sample Volume, µl	Qty.
74-2206	Regenerated Cellulose	1000	25 to 75	25
74-2207	Regenerated Cellulose	1000	25 to 75	50
74-2208	Regenerated Cellulose	1000	25 to 75	100
74-0034	Regenerated Cellulose	3500	25 to 75	25
74-0035	Regenerated Cellulose	3500	25 to 75	50
74-0036	Regenerated Cellulose	3500	25 to 75	100
74-2205	Regenerated Cellulose	10000	25 to 75	25
74-2202	Regenerated Cellulose	10000	25 to 75	50
74-2203	Regenerated Cellulose	10000	25 to 75	100
74-2208	Regenerated Cellulose	25000	25 to 75	100
74-2217	Regenerated Cellulose	50000	25 to 75	100
74-2212	Cellulose Acetate	500	25 to 75	25
74-2210	Cellulose Acetate	25000	25 to 75	100
74-2211	Cellulose Acetate	50000	25 to 75	100
74-2219	Cellulose Acetate	100000	25 to 75	100
74-2220	Cellulose Acetate	100000	25 to 75	25

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