

DIALYZERS

Ultra-Micro DispoDIALYZER™ - Samples from 1 µl to 5 µl (Single use)



The 1 µl to 5 µl Ultra-Micro DispoDIALYZER is a unique disposable DIALYZER for the dialysis of very small samples. The entire dialysis unit installed with different MWCO membranes (0.025 cm² surface area) is small enough so that dialysis can be carried out in a microcentrifuge tube. Sample recovery is quick and easy with almost 100% of the sample recovered after only a short centrifugation step. Ultra-Micro DispoDIALYZER includes two 1.5 ml capped microcentrifuge collection tubes.

Advantages:

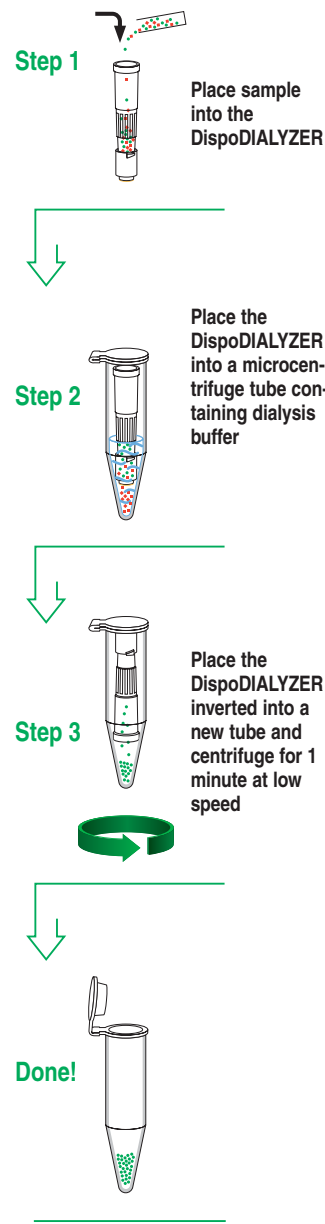
- Micro-volume dialysis
- Economical
- Easy to use
- Leak-proof
- Low protein binding
- High sample recovery
- Rapid dialysis/purification

Applications:

- Exchange of buffers
- Removal of detergents
- Concentration of samples
- HPLC, HPCE
- Purification of proteins, DNA and RNA
- Removal of excess radiolabel or PCR-primers
- GC, GC-MS, NMR

How to Use:

Ultra-Micro DispoDIALYZER™



Key

- Desired Component
- Contaminants
- Dialysis Buffer
- Membrane

Ultra-Micro DispoDIALYZERS: Ordering Information

Membrane MWCO (Daltons)	Qty. of 25	\$	Qty. of 50	\$	Qty. of 100	\$
100	BS4 74-0603		BS4 74-0604		BS4 74-0605	
500	BS4 74-0606		BS4 74-0607		BS4 74-0608	
1,000	BS4 74-0609		BS4 74-0610		BS4 74-0611	
2,000	BS4 74-0612		BS4 74-0613		BS4 74-0614	
5,000	BS4 74-0615		BS4 74-0616		BS4 74-0617	
10,000	BS4 74-0602		BS4 74-0600		BS4 74-0601	
25,000	BS4 74-0618		BS4 74-0619		BS4 74-0620	
50,000	BS4 74-0621		BS4 74-0622		BS4 74-0623	

Micro DispoDIALYZER™ - Samples from 5 µl to 100 µl (Single use)



Advantages:

- Economical
- Hassle-free
- Available for small sample sizes
- Membranes available with MWCO's to suit almost any application
- Easy to use
- Leak-proof
- Low protein binding
- High sample recovery
- Rapid dialysis/purification

Applications:

- Exchange of buffers
- Removal of detergents
- Concentration of samples
- HPLC, HPCE
- Purification of proteins, DNA and RNA
- Removal of excess radiolabel or PCR-primers
- GC, GC-MS, NMR

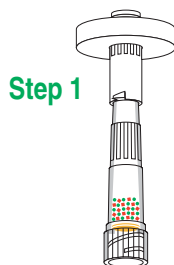
The Micro DispoDIALYZER is a unique disposable DIALYZER for the dialysis of small sample volumes from 5 µl to 100 µl. Sample recovery is quick and easy using the Micro DispoDIALYZER, almost 100% of the sample is recovered after a short centrifugation step. The Micro DispoDIALYZER includes installed membrane of different MWCO, foam float, cap and two collection tubes (1.5 ml).

Micro DispoDIALYZERS: Ordering Information

Membrane MWCO (Daltons)	Qty. of 25	\$	Qty. of 50	\$	Qty. of 100	\$
100	BS4 74-0714		BS4 74-0700		BS4 74-0701	
500	BS4 74-0721		BS4 74-0722		BS4 74-0723	
1,000	BS4 74-0715		BS4 74-0702		BS4 74-0703	
2,000	BS4 74-0716		BS4 74-0704		BS4 74-0705	
5,000	BS4 74-0717		BS4 74-0706		BS4 74-0707	
10,000	BS4 74-0718		BS4 74-0708		BS4 74-0709	
25,000	BS4 74-0719		BS4 74-0710		BS4 74-0711	
50,000	BS4 74-0720		BS4 74-0712		BS4 74-0713	

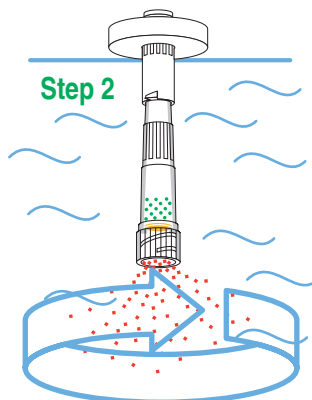
How to Use: Micro DispoDIALYZER™

The sample is placed in the sample chamber as shown in the diagram below. It is separated from the dialysis buffer by the membrane.



Step 1

The entire unit is placed in a beaker and floats vertically due to the flotation ring attached to the unit. Stirring the dialysis buffer results in faster dialysis times.







Step 2

Simply invert the DispoDIALYZER in a microcentrifuge tube and centrifuge briefly to recover the sample.



Done!

Key

-  Desired Component
-  Contaminants
-  Dialysis Buffer
-  Membrane

DIALYZERS

Macro Fast DispoDIALYZER™ Samples from 1 ml to 10 ml (Single use)



Advantages:

- Macro-volume dialysis
- Economical
- Easy to use
- Leak-proof
- Low protein binding
- High sample recovery
- Rapid dialysis/purification

Applications:

- Exchange of buffers
- Removal of detergents
- Concentration of samples
- HPLC, HPCE
- Purification of proteins, DNA and RNA
- Removal of excess radio-label or PCR-primers
- GC, GC-MS, NMR

Macro Fast DispoDIALYZER



The Macro Fast DispoDIALYZER is also available for larger samples. This unit is available with 5,000 or 10,000 Dalton regenerated cellulose membranes. The other basic features of this unit

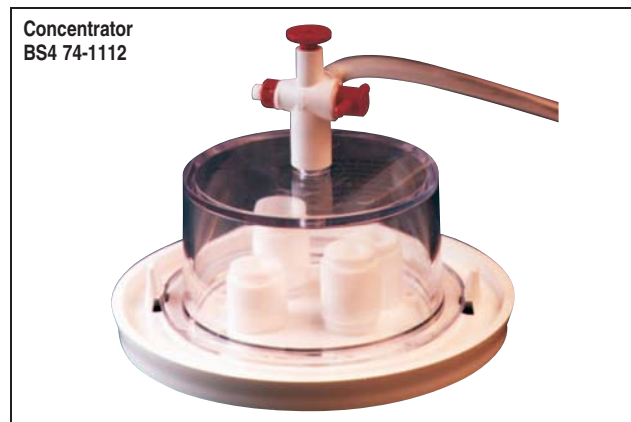
are the same as those of the smaller volume DispoDIALYZERS described earlier. The Macro Fast DispoDIALYZER includes shell, two rings and two membranes of MWCO 5KDa or 10KDa (4.5cm² surface area each). Assembly required.

Macro Fast DispoDIALYZERS: Ordering Information

Qty.	Membrane MWCO (Daltons)		\$
	5,000	10,000	
25	BS4 74-0803	BS4 74-0802	
50	BS4 74-0804	BS4 74-0800	
100	BS4 74-0805	BS4 74-0801	

For Microcentrifuges, see pages N95 to N103.

Dialysis Accessories



Concentrator

Sample concentration is easy with the Harvard Apparatus Concentrator. Simply place any Dialyzer, complete with membrane, into the Harvard Apparatus Concentrator. The liquid is evaporated through the membrane and removed by the concentrator. When concentration is complete simply puncture the membrane and remove your sample. This technique is superior to other concentration methods, such as centrifugation, in which the sample may stick to the membrane surface or burst through the membrane.

Catalog No.	\$	Description
BS4 74-1112		Concentrator, pkg. of 1



Membrane Minder

The Membrane Minder is an ingenious device designed for the safe and easy movement and manipulation of delicate membranes. The Membrane Minder is also ideal for use with filters, gel pieces, small tissue samples and other small parts. The Membrane Minder utilizes a vacuum to gently manipulate small objects at the push of a button. A range of suction cups and vacuum needles are supplied with the Membrane Minder to ensure the right tool is available, whatever the application.

Catalog No.	\$	Description
BS4 74-0109		Membrane Minder, pkg. of 1

96-Well DispoDIALYZER™ - Samples from 25 µl to 300 µl (Single use)



Advantages:

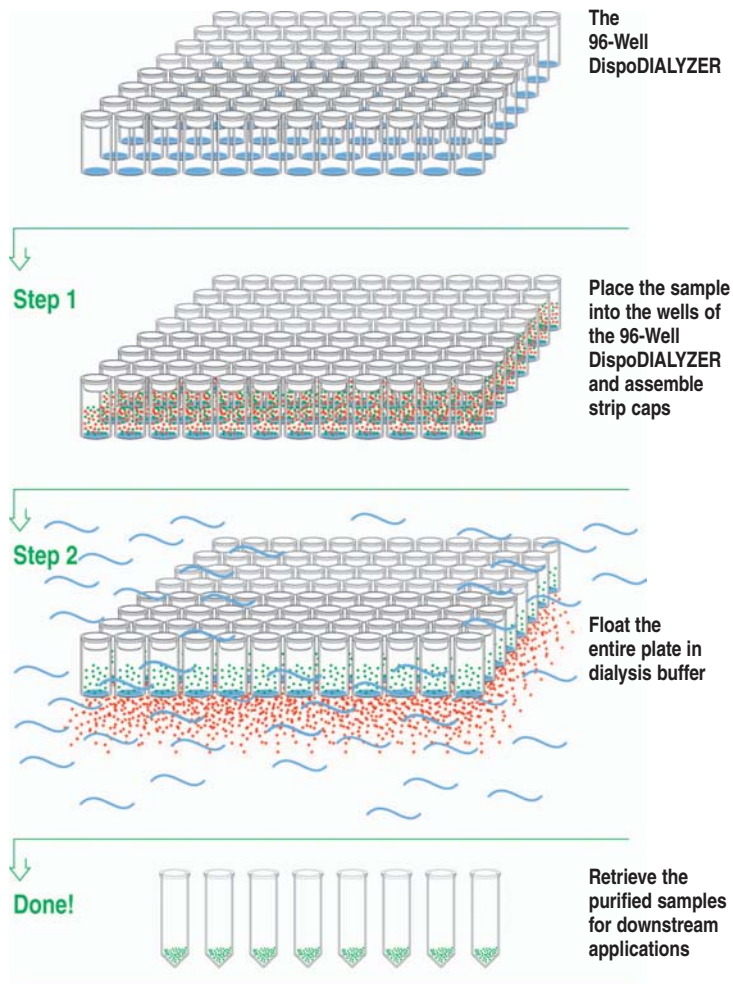
- High recovery (> 95%)
- 96-well high-throughput format
- Individual membranes means no cross-contamination between wells
- High well to well reproducibility
- Range of possible sample volumes: 25 µl to 300 µl
- Range of membrane MWCO's available: 1K, 2K, 5K, 10K, and 25K Daltons
- High quality regenerated cellulose membranes
- Membranes are free from sulphur and heavy metal contamination

Applications:

- Salt removal
- Buffer exchange
- Parallel sample prep after fraction collection
- Oligonucleotide purification
- Detergent removal
- HPLC
- HPLC-MS
- And more...

The 96-Well DispoDIALYZER is a novel product for the simultaneous preparation of 96 samples. Each well in this system has a separate membrane, thus eliminating the possibility of sample contamination and leakage. The 96-Well DispoDIALYZER provides very high reproducibility among different wells and sample recovery is excellent. Wells are sealed with twelve 8-cap strips (included).

How to Use: 96-Well DispoDIALYZER™



96-Well DispoDIALYZERS: Ordering Information

Catalog No.	\$	Membrane MWCO (Daltons)
BS4 74-0900		1,000
BS4 74-0901		2,000
BS4 74-0902		5,000
BS4 74-0903		10,000
BS4 74-0904		25,000

Key

- Desired Component
- Contaminants
- Dialysis Buffer
- Membrane