

# DispoEquilibrium Dialyzer™

(25 to 75 µl Sample Volume)



a brand of Harvard Bioscience, Inc.

## Quick Start Guide

### Description

The 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 has two chambers, one for buffer and one for the sample. It comes with two caps (one black, one white), two 0.65 ml microcentrifuge tubes to collect and hold samples, and two pipette tips for sample delivery and recovery.



### Instructions

1. Place 25 µl to 75µl of buffer into one chamber of the DispoEquilibrium Dialyzer using the special pipette tips provided.

*Note: Hold DispoEquilibrium Dialyzer at slightly less than 45° angle when loading to avoid trapping air bubbles at the membrane.*

2. Push the black cap into place on buffer side.
3. Place an equivalent volume of sample into opposite chamber using a new pipette tip.

*Note: Hold DispoEquilibrium Dialyzer at slightly less than 45° angle when loading to avoid trapping air bubbles at the membrane.*

4. Push the white cap into place on sample side.
5. Gently agitate the DispoEquilibrium Dialyzer on a shaker until equilibrium is reached.

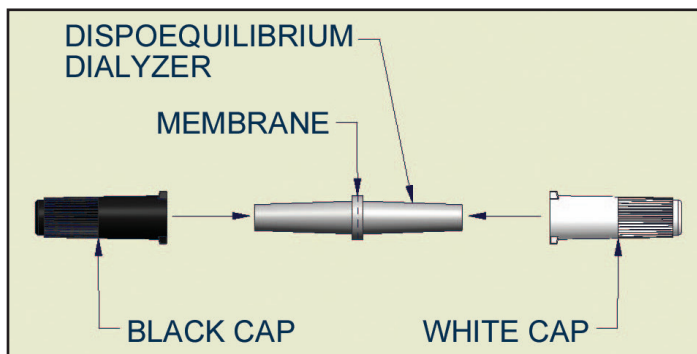
*Note: Lay the DispoEquilibrium Dialyzer flat to orient membrane in vertical position and maintain fluid contact with membrane (see drawing below).*

**CAUTION: Violent agitation will result in air bubble entrapment at the membrane, which may either increase dialysis time or prevent equilibrium from being attained.**

6. Uncap the sample chamber and spin out the sample using the microcentrifuge tube provided.

*Note: Spin at approximately 500 x g for a few seconds.*

7. Uncap the buffer chamber and spin out the buffer using the microcentrifuge tube provided.



## Ordering Information

DispoEquilibrium Dialyzers			
Membrane MWCO (Daltons)	Qty. of 25	Qty. of 50	Qty. of 100
<b>Regenerated Cellulose</b>			
1,000	74-2206	74-2207	74-2208
3,500	74-0034	74-0035	74-0036
10,000	74-2205	74-2202	74-2203
25,000	—	—	74-2218
50,000	—	—	74-2217
<b>Cellulose Acetate</b>			
500	74-2212	—	—
25,000	—	—	74-2210
50,000	—	—	74-2211
100,000	74-2220	—	74-2219
<b>Accessories</b>			
Pipette Tips for DispoEquilibrium Dialyzers	—	—	74-2222