

96-Well Equilibrium DIALYZER™

USER'S MANUAL



a brand of Harvard Bioscience, Inc.

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General Information

Parts List

96-Well Equilibrium DIALYZER™

96-Well Plate.....(1) Included

The Sample Side of the Plate can be identified by the blue colored frame

The Buffer Side has a clear frame.

8-Cap Strips(24) Included

Plate Rotator.....Sold Separately

Use Statement

Intended Use: 96-well Equilibrium DIALYZER™ plates are used in the in-vitro diagnostic preparation of samples where equilibrium dialysis is required.

Return Policy

Items supplied not in accordance with your order or defective at time of receipt may be returned for credit or replacement. You must contact us within 30 days of receipt of your shipment to obtain a Return Merchandise Authorization (RMA) number and instructions to facilitate the return process. For more information about our product return policy, please visit www.harvardapparatus.com.

Instructions for Use

1. Seal the empty Sample Side wells on the colored side with cap strips. These wells will be filled with samples in step #4 below. Capping helps to reduce pressure changes in Step #3 while eliminating air-pockets during wetting of the membrane in Step #2.

Note: Cap Strip Assembly

- Place cap strip loosely over all 8-wells
- Then apply gentle pressure to seal all wells at the same time
- Refer to illustration on plate packaging

2. Invert the Plate and carefully pipet a volume of buffer equal to the sample volume into the wells on the Buffer Side (clear frame) to be used for analysis. Deliver buffer without touching the membranes by allowing the liquid to flow along the inner side wall of each well.

Instructions for Use

Note: While it is possible to use sample volumes as low as 75 μ l, we recommend a sample volume of 150 to 200 μ l for best results.

3. Gently seal the filled buffer wells with cap strips.
4. Invert the Plate and carefully remove the cap strips from the Sample Side wells. Pipet desired samples, without touching the membranes.
5. Reseal the sample wells with the cap strips.
6. Slide the assembled DIALYZER™ Plate into a Plate Rotator (see next page) and hand tighten the knobs. Turn on and allow rotating until equilibrium is reached (about 22 hours). The rotator can be placed in an incubator, up to 37°C, to decrease time needed for equilibration. An 8-Plate Rotator/Incubator combination is also available.
7. After equilibrium has been reached, remove the DIALYZER™ Plate from the Rotator.
8. Carefully remove the cap strips from the Buffer Side of the Plate (clear frame) and slowly pipet out the analysis samples from the wells taking care not to touch or puncture the membranes.



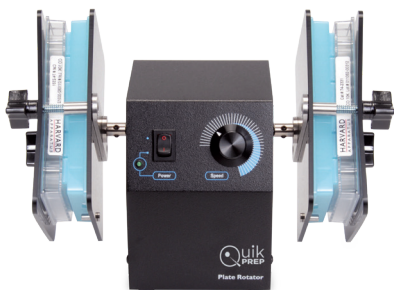
96-Well Equilibrium
DIALYZER™

74-2331



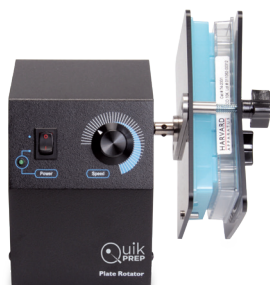
8-Plate Rotator/Incubator with
carousel for 96-well Equilibrium
DIALYZER™ plates

74-2336



Dual Plate Rotator with DIALYZER™
plates secured in clamp fixture

74-2334



Single Plate Rotator with DIALYZER™
plate secured in clamp fixture

74-2302

Ordering Information

Product Number	Product
74-2331	96-Well Equilibrium Dialysis Plate, Membrane MWCO 10,000 Daltons, pkg. of 1
74-2323	8-Cap Strips, pkg. of 12
74-2322	Plate Seal Mat with Individual Well Inserts, Pierceable and Self-Sealable, pkg. of 2
74-2302	Single Plate Rotator, pkg. of 1
74-2334	Dual Plate Rotator, pkg. of 1
74-2335	8-Plate Rotator Incubator, 110 V, pkg. of 1
74-2336	8-Plate Rotator Incubator, 220 V, pkg. of 1

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