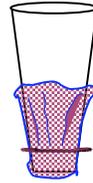


Operating Instructions

SPINCON DIALYZER



Concentration:

1. Open the collecting tube and remove the SpinCon dialyzer.
2. Place your 1-10 μ l sample into the open end of the dialyzer. The dialysis membrane is located at the end with the white cap. **Be careful not to pierce this membrane when pipetting your sample.**
3. Place the SpinCon dialyzer back into the collecting tube **membrane end down** and close the cap.
4. Spin the tube at any speed from 5000-8000 rpm for 10-30 minutes, to allow the smaller molecules to pass into the collection tube. You may add 5-10 μ l water or solution to the dialyzer, and this process may be repeated, if so desired, to rinse the sample.
5. Remove the SpinCon dialyzer from the collecting tube by turning the tube to a horizontal position and gently tapping the side until the dialyzer is released. The smaller molecule sample can now be extracted from the collecting tube.
6. Blot dry any excess moisture from the outside of the dialyzer. Take the SpinCon dialyzer, add a reconstituting volume of liquid to it, and invert it (**membrane end up**) into a fresh collecting tube.
7. Spin this tube for a few seconds to allow the larger molecule sample to be retrieved from the tube.
8. NOTE: SpinCon dialyzers are for one-time use only.

Dialysis:

1. Open the collecting tube and remove the SpinCon dialyzer.
2. Place your 1-10 μ l sample into the open end of the dialyzer. The dialysis membrane is located at the end with the white cap. **Be careful not to pierce this membrane when pipetting your sample.**
3. Place the SpinCon dialyzer back into the empty collecting tube **membrane end down** and close the cap.
4. Spin the tube at a speed of 500 rpm for a few seconds. This will ensure that all of the sample is in contact with the membrane.
5. Remove the SpinCon dialyzer from the collecting tube. Place 500 μ l of water or buffer into the tube.
6. Place the SpinCon dialyzer with sample back into the collecting tube **membrane end down** and close the cap.
7. Depending upon the volume of your sample, dialysis buffer, and MWCO's of the membrane, dialysis may take anywhere from 30 minutes to several hours.
8. When dialysis is complete, remove the SpinCon dialyzer from the collecting tube by turning the tube to a horizontal position and gently tapping the side until the dialyzer is released.
9. Blot dry any excess moisture from the outside of the dialyzer. Take a fresh collecting tube and invert the SpinCon dialyzer (**membrane side up**) into this tube.
10. Spin the collecting tube at a speed of 500 rpm for a few seconds. The sample will be transferred to the collecting tube with virtually 100% recovery.
11. Remove the SpinCon dialyzer from the collecting tube by turning the tube to a horizontal position and gently tapping the side until the dialyzer is released. Your sample can now be extracted from the collecting tube.

***For further information call The Nest Group, Inc. at 1-800-347-6378
Or visit our website at www.nestgrp.com***