

Flow-Thru Macro DIALYZER™



The flow-thru Macro DIALYZER is a new and unique product that is ideal for electro-elution, electro-dialysis, electro-concentration and electro-filtration of larger sample volumes (from 50µl to 1ml or more) and for protein crystallization when used with our Electro Eluter Dialyzer. The Flow-Thru Macro DIALYZER has an inlet and an outlet providing a flow-through system, which facilitates the continuous movement of the sample. Sample collection can be monitored through the use of an on-line detector, such as a photometer, conductivity meter or any other suitable equipment readily available in the laboratory. The flow-thru Macro DIALYZER can also be hooked to an HPLC sample loop for concentration of biological samples.

As shown in Figure 1, the sample from the sample reservoir (1) is pumped in continuous circulation through the sample chamber. The MWCO of membrane (a) is smaller than the molecular weight of the desired biomolecules. The MCWO membrane (b) is larger than the molecular weight of the desired biomolecules. The desired biomolecules will be collected in the concentration chamber (2) since membrane (c) also has a MWCO smaller than the desired biomolecules.

The setup in Figure 2 is similar. The sample from the sample reservoir (1) is pumped in continuous circulation through the sample chamber. In this instance, however, the concentration chamber (2) is also connected to a continuous on-line system with a sample detector such as an HPLC system. Therefore, the sample collected in the concentration chamber can be periodically measured and analyzed.

- Advantages**
- Rapid sample preparation
 - Minimal sample loss
 - Inert sample and concentration chambers (made of Teflon)

- Applications**
- Electro-elution
 - Electro-dialysis
 - Electro-concentration
 - Electro-filtration
 - Protein crystallization

Flow-thru Macro DIALYZER



Key	
	Teflon Chamber
	Teflon Cap
	Membrane
	Union
	Port

Flow-Thru Macro DIALYZERS: Ordering Information				
Chamber Volume (µl)	Qty. of 1	\$	Qty. of 5	\$
50	SON 0050.1	168.00	SON 0050	673.00
100	SON 0100.1	168.00	SON 0100	673.00
500	SON 0500.1	168.00	SON 0500	673.00
1000	SON 1000.1	168.00	SON 1000	673.00

*For Membranes:
www.nestgrp.com/pdf/
Ap1/membranes.pdf*

