

DIALYZERS

Flow-Thru Fast DIALYZER™ (Reusable)



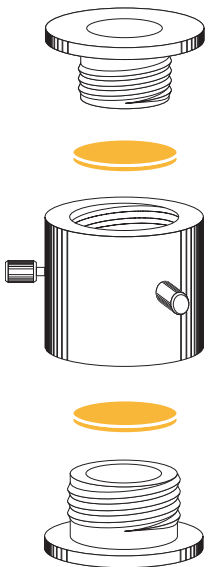
Advantages

- 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 Fast DIALYZER



The Flow-Thru Fast 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 50 µl to 1 ml or more) and for protein crystallization when used with ElectroPrep, see page N29. The Flow-Thru Fast 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 Fast 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. Flow-Thru Fast DIALYZER includes chamber, two caps and two fittings.

Key	
	Teflon Chamber
	Teflon Cap
	Membrane
	Union
	Port

Flow-Thru Fast DIALYZERS: Ordering Information				
Chamber Volume (µl)	Qty. of 1	\$	Qty. of 5	\$
50	BS4 74-1204		BS4 74-1200	
100	BS4 74-1205		BS4 74-1201	
500	BS4 74-1206		BS4 74-1202	
1000	BS4 74-1207		BS4 74-1203	

For Membrane ordering information, see page N44.

