



GENTAUR MOLECULAR PRODUCTS
VOORTSTRAAT 49
1910 KAMPENHOUT, BELGIUM

Gentaur's Easy-to-Use DiaEasy™ Dialyzer Tubes

Tired of Conventional Dialysis/Electroelution?

While working with proteins and nucleic acids, it is often necessary to eliminate small MW substances such as reducing agents [DTT, 2-mercaptoethanol, urea], un-reacted crosslinking or labeling reagents (sulfo-SMCC, biotin) and preservatives (sodium azide, thimerosal) that might interfere in subsequent steps of the experimental protocol. Methods like dialysis and electroelution have long been used to purify proteins and nucleic acids. However, these traditional methods are riddled with numerous problems which may lead to tremendous time consumption, sample loss, contamination and high sample dilutions requiring further concentration.



Dialysis



Electroelution

Volume Capabilities	Molecular Weight Cut-offs	Set Sizes
10-250 µl 50-800 µl 0.1-3 ml 10 ml 15 ml 20 ml	1 kDa 3.5 kDa 6-8 kDa 12-14 kDa 25 kDa 50 kDa	10 tubes (all sizes) 25 tubes (all sizes) 100 tubes (all sizes)
Typical recovery rates		
Dialysis of samples: ≥ 98% Electroelution of DNA or RNA from Agarose gel: ≥ 90% Electroelution of DNA or RNA from polyacrylamide gel: ≥ 90% Electroelution of Protein from SDS-PAGE gel: ≥ 70%		

Introducing Gentaur's DiaEasy™ Dialyzer Tubes

Gentaur is pleased to introduce the DiaEasy™ Dialyzer tubes product line offering a solution to most of these issues. These tubes provide a dual advantage in being useful for dialysis and electroelution. They come as sets of tubes with floating racks and/or supporting trays for convenient handling



DiaEasy™ Dialyzer Tubes

of the tubes in the exchange buffer and electroelution. This combination provides a unique tool for extraction of any protein, protein-protein, or protein DNA complex from non-denaturing and denaturing (SDS) polyacrylamide gels, and for extraction of oligonucleotides, RNA, and DNA from both polyacrylamide and agarose gels. The DiaEasy™ tube's membranes are ultra-clean, sulfur and heavy metal free and EDTA treated which making harvested proteins and nucleic acids suitable for molecular biology experiments. These DiaEasy™ tubes allow rapid, secure and simple loading and recovery. These high performance dialysis tubes are the most convenient, user friendly dialysis system on the market.

Dialysis/Buffer Exchange of different sample volumes	High throughput dialysis	Virus-particle purification	Large-scale protein dialysis such as antibodies and recombinant protein purification
Complex formation studies (protein-protein, protein-DNA and protein-RNA)		Preparation of protein samples for MALDI-MS	
Removal of salts, surfactants, solvents and detergents.	2D gel dots extraction	Extraction of proteins, RNA, DNA or oligonucleotides (>20 nt) from polyacrylamide, agarose or any gel matrix in any running buffer	Peptide dialysis as small as 10 amino acids
Removal of contaminating micro molecules		Tissue culture extracts purification	pH and buffer adjustment of sample extract or cell extract
			Samples concentration

Advantages of DiaEasy™ Dialyzer Tubes

- Most convenient, efficient and user-friendly dialysis sets on the market.
- Single step efficient dialysis saves time and eliminates the need for additional equipment.
- Samples pass through the tubes once, eliminating repeated dilutions and concentrations.
- Single step decreases the risk of potential protein aggregation and precipitation and ensures high activity retention.
- Elution times are as low as 10 minutes and range up to 150 minutes based on multiple criteria including the sample content, size and volume. proteins respectively.

Dialysis Tube Accessories

DiaEasy™ Dialysis floating racks in two positions to change the height at which the DiaEasy™ Dialysis tubes are held.



Electroelution Accessories

Supporting trays hold three DiaEasy™ Dialyzer tubes in a horizontal electrophoresis tank. The arrow on the cap is positioned face up and the two membranes of the DiaEasy™ Dialyzer tubes are perpendicular to the electric field.



Product Lists and Ordering Information

DiaEasy™ Dialyzer Tubes: Cat #s K1000 to K1021

Product Name	Catalog Number	Size
DiaEasy™ Dialyzer (20 ml) MWCO 3.5 kDa	K1000-10, -25, -100	10, 25 and 100 tubes
DiaEasy™ Dialyzer (15 ml) MWCO 3.5 kDa	K1001-10, -25, -100	10, 25 and 100 tubes
DiaEasy™ Dialyzer (10 ml) MWCO 3.5 kDa	K1002-10, -25, -100	10, 25 and 100 tubes
DiaEasy™ Dialyzer (20 ml) MWCO 6-8 kDa	K1003-10, -25, -100	10, 25 and 100 tubes
DiaEasy™ Dialyzer (15 ml) MWCO 6-8 kDa	K1004-10, -25, -100	10, 25 and 100 tubes
DiaEasy™ Dialyzer (10 ml) MWCO 6-8 kDa	K1005-10, -25, -100	10, 25 and 100 tubes
DiaEasy™ Dialyzer (20 ml) MWCO 12-14 kDa	K1006-10, -25, -100	10, 25 and 100 tubes
DiaEasy™ Dialyzer (15 ml) MWCO 12-14 kDa	K1007-10, -25, -100	10, 25 and 100 tubes
DiaEasy™ Dialyzer (10 ml) MWCO 12-14 kDa	K1008-10, -25, -100	10, 25 and 100 tubes
DiaEasy™ Dialyzer (20 ml) MWCO 1 kDa	K1009-10, -25, -100	10, 25 and 100 tubes
DiaEasy™ Dialyzer (15 ml) MWCO 1 kDa	K1010-10, -25, -100	10, 25 and 100 tubes
DiaEasy™ Dialyzer (10 ml) MWCO 1 kDa	K1011-10, -25, -100	10, 25 and 100 tubes
DiaEasy™ Dialyzer (3 ml) MWCO 3.5 kDa	K1012-10, -25, -100	10, 25 and 100 tubes
DiaEasy™ Dialyzer (3 ml) MWCO 6-8 kDa	K1013-10, -25, -100	10, 25 and 100 tubes
DiaEasy™ Dialyzer (3 ml) MWCO 12-14 kDa	K1014-10, -25, -100	10, 25 and 100 tubes
DiaEasy™ Dialyzer (3 ml) MWCO 25 kDa	K1015-10, -25, -100	10, 25 and 100 tubes
DiaEasy™ Dialyzer (3 ml) MWCO 50 kDa	K1016-10, -25, -100	10, 25 and 100 tubes
DiaEasy™ Dialyzer (800 µl) MWCO 1 kDa	K1017-10, -25, -100	10, 25 and 100 tubes
DiaEasy™ Dialyzer (800 µl) MWCO 3.5 kDa	K1018-10, -25, -100	10, 25 and 100 tubes
DiaEasy™ Dialyzer (800 µl) MWCO 6-8 kDa	K1019-10, -25, -100	10, 25 and 100 tubes
DiaEasy™ Dialyzer (250 µl) MWCO 6-8 kDa	K1020-10, -25, -100	10, 25 and 100 tubes
DiaEasy™ Dialyzer (250 µl) MWCO 12-14 kDa	K1021-10, -25, -100	10, 25 and 100 tubes
DiaEasy™ Dialyzer (250 µl) MWCO 25 kDa	K1022-10, -25, -100	10, 25 and 100 tubes

Dialysis Tube Accessories: Floating Racks: Cat #s 1000, 1016, 1018 and 1020

Product Name	Catalog #	Size
DiaEasy™ Dialyzer (10, 15, 20 ml) Floating racks	1000-5, -10	5 and 10 racks
DiaEasy™ Dialyzer (3 ml) Floating racks	1016-5, -10	5 and 10 racks
DiaEasy™ Dialyzer (800 µl) Floating racks	1018-5, -10	5 and 10 racks
DiaEasy™ Dialyzer (250 µl) Floating racks	1020-5, -10	5 and 10 racks

Electroelution Accessories: Supporting Trays: Cat #s 1017, 1019 and 1028

Product Name	Catalog #	Size
DiaEasy™ Dialyzer (3 ml) Supporting Trays	1017-5, -10	5 and 10 trays
DiaEasy™ Dialyzer (800 µl) Supporting Trays	1019-5, -10	5 and 10 trays
DiaEasy™ Dialyzer (250 µl) Supporting trays	1028-5, -10	5 and 10 trays



Gentauro Molecular Products
Voortstraat 49
1910 Kampenhout, BELGIUM

Tel 0032 16 58 90 45 | Fax 0032 16 50 90 45
www.gentauro-worldwide.com
info@gentaur.com