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Slide-A-Lyzer MINI Dialysis Devices, 20K MWCO

The best system for small-volume protein dialysis at 20K MWCO.



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Thermo Scientific Slide-A-Lyzer MINI Dialysis Devices, 20K MWCO are disposable polypropylene cups with integrated, low-binding membranes for dialysis and high recovery of proteins and macromolecules >20kDa in volumes from 10µL to 2mL.

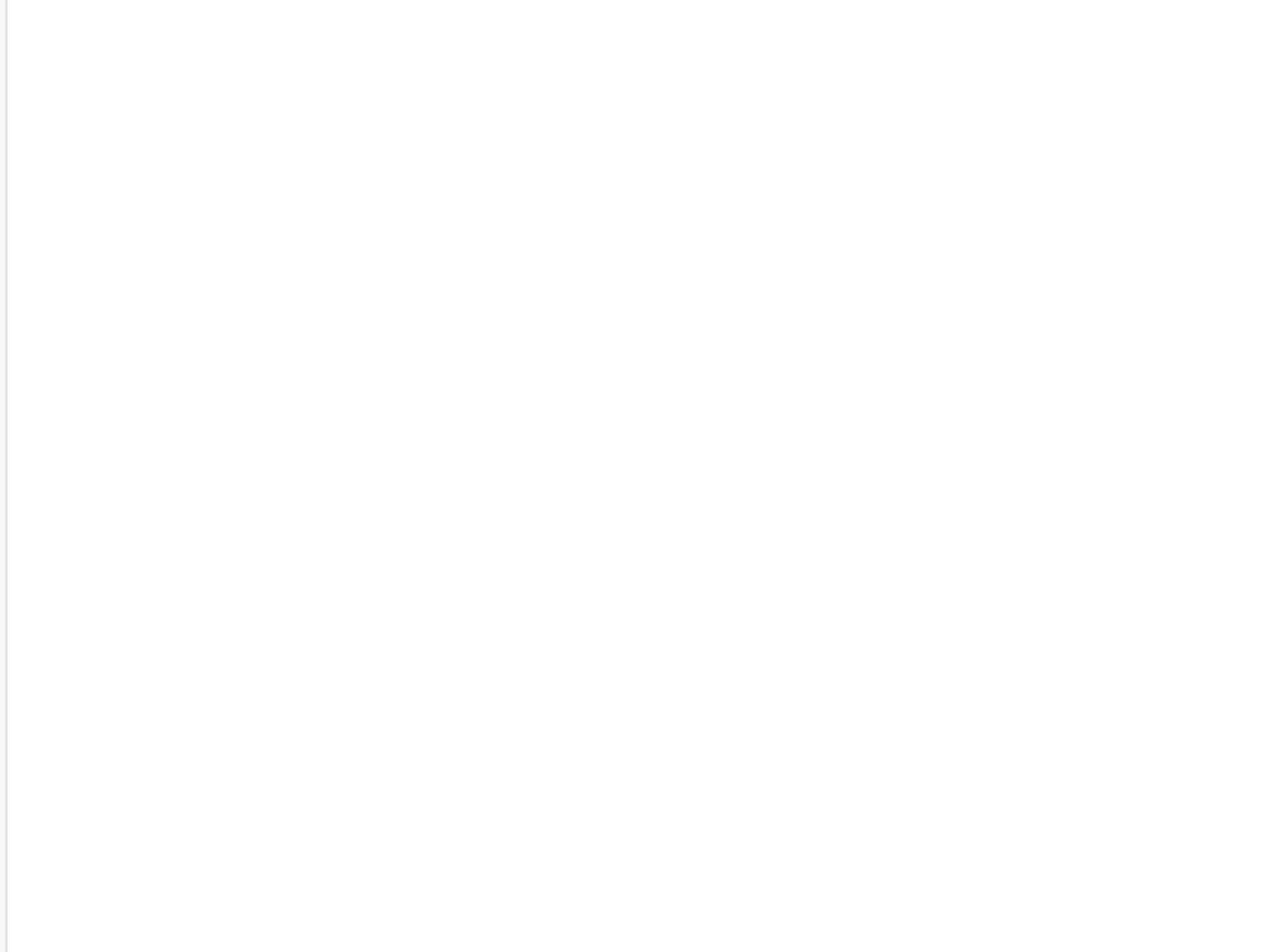
These 20K MWCO dialysis devices are available in three sizes (0.1, 0.5 and 2mL capacities), and are designed to allow easy sample addition and removal using a standard laboratory pipette. The MINI Devices are effective and convenient for accomplishing typical sample desalting or buffer exchange in 4 to 8 hours. Unlike other small sample separation devices, there is no equipment to assemble, no need for syringe adapters and no laborious steps necessary to manipulate the small volume sample. The regenerated cellulose membrane is compatible with a number of common chemicals and buffers.



Highlights:

- **Three convenient sizes** – dialysis devices for 0.1, 0.5 and 2mL samples fit standard 1.5mL- microcentrifuge, 15mL- and 50mL-conical tubes, respectively
- **Excellent sample recoveries** – low-binding plastic and small membrane surface area minimize sample loss compared to filtration and resin systems
- **One-step protocol** – pipette sample into the MINI Device and place in tube containing the dialysis buffer; no laborious assembly, device preparation or expensive equipment are required
- **100% leak-tested** – innovative design does not permit "wicking" that can occur in homemade devices
- **Time savings** – performs desalting of nucleic acids and proteins (>95% recovery) in less than 15 minutes, which improves sample resolution, quantification and conjugation

Video of Slide-A-Lyzer MINI Devices in action!



Product Details:

Slide-A-Lyzer MINI Dialysis Devices were developed as a convenient means for dialyzing small-volume samples of nucleic acids and proteins without undue sample loss. Low molecular weight contaminant removal, buffer exchange, desalting, equilibrium dialysis, micro conjugation reactions, and concentration can be accomplished with these devices. Slide-A-Lyzer MINI Dialysis Devices are manufactured in a HEPA filter/clean environment and auto-bagged after assembly to ensure that they are free of contaminants and ready to use.

The 0.5mL and 2mL MINI Dialysis Devices fit in and are capped by inserting them into the included 15mL and 50mL conical tubes, respectively. The tubes can be securely placed in standard laboratory racks or shakers; this feature saves space, minimizes the risk of spills or contamination, and eliminates the need for

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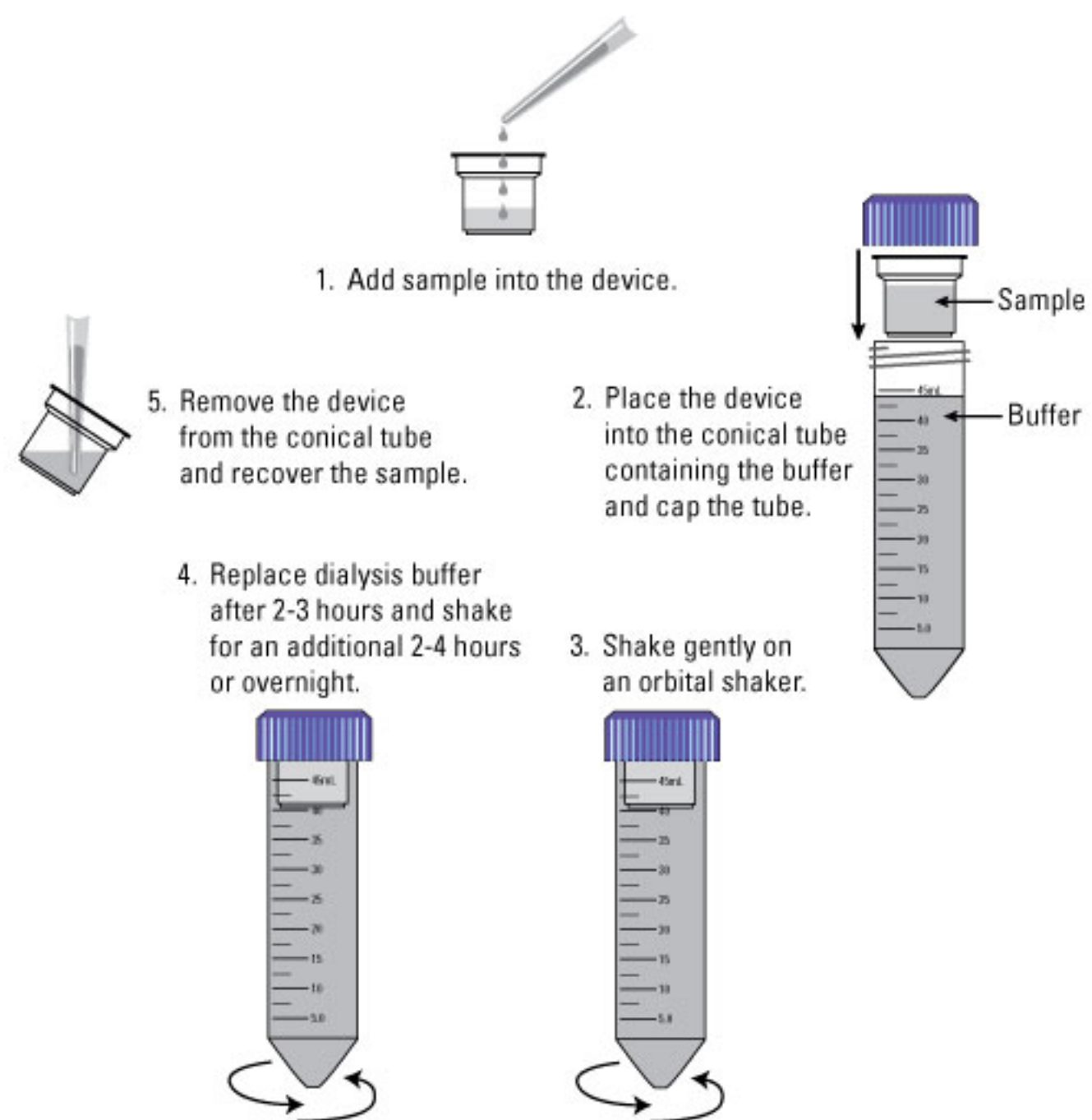
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floats or large beakers of buffer. Using these MINI Dialysis Devices, low molecular weight contaminant removal, buffer exchange and desalting, can be accomplished within 4 to 8 hours with efficiencies, rates, and recoveries very similar to conventional dialysis using a large dialysate volume ([view data](#)).



Sample dialysis with 0.5mL or 2mL Thermo Scientific Slide-A-Lyzer MINI Dialysis Devices. Dialysis with the 2mL device is performed with a 50mL conical tube, as shown here. The 0.5mL device is designed for use with a 15mL conical tube.

The 0.1mL MINI Dialysis Devices are designed to be capped (caps included) and inserted into standard 1.5mL microcentrifuge tubes. Alternatively, as many as 25 MINI Devices can be placed in a Slide-A-Lyzer MINI Dialysis Device Float for dialysis of multiple inside a large beaker. Using the 0.1mL MINI Device, 100 μ L of pH 2.8 glycine buffer can be equilibrated with 1 liter of pH 9.4 bicarbonate buffer in less than 10 minutes.



1. Pipette sample into device. 2. Cap and float in buffer. 3. Recover sample.

Sample dialysis with 0.1mL Thermo Scientific Slide-A-Lyzer MINI Dialysis Devices. The 0.1mL MINI Devices are designed for 10 to 100 μ L samples. Dialysis can be performed against a beaker of solution (as shown here) or by placing an individual device in a microcentrifuge tube that is filled with dialysis buffer.

As with all dialysis applications, the observed rate of dialysis for each sample used with these devices depends on a variety of factors including membrane to sample volume, temperature and agitation rates; as well as the molecular weight, shape, degree of hydration, and charge of the molecules passing through the membranes and the pH, ionic strength, and solvent characteristic of the buffers being used.

More Product Data >>

- [New dimensions for low-volume sample dialysis](#)
- [Separation characteristics of dialysis membranes](#)













Related Resources:

[Slide-A-Lyzer MINI Dialysis Device FAQ's](#)
[Slide-A-Lyzer Dialysis MINI Device, 0.1mL dimensions](#)
[Review of dialysis methods for protein research \(and Technical Handbook\)](#)

Related Products:

[Other MINI Dialysis Devices \(2K to 20K MWCO\)](#)
[Dialysis Cassettes, Tubing and Flasks \(capacities up to 250mL\)](#)
[Buffers for Protein Methods](#)
[All types and sizes of buffer-exchange devices](#)

Ordering Information

Product #	Description	Pkg. Size	Instructions	MSDS	CofA	Price
69590	Slide-A-Lyzer MINI Dialysis Device, 20K MWCO, 0.1mL Formulation: Cellulose membrane in polypropylene tube with cap <i>Sufficient For: 50 samples, each 10 to 100µL</i>	50 devices				\$175.00 Now available on lifetechnologies.com
69555	Slide-A-Lyzer MINI Dialysis Device, 20K MWCO, 0.1mL Formulation: Cellulose membrane in polypropylene tube with cap <i>Sufficient For: 250 samples, each 10 to 100µL</i>	250 devices				\$536.00 Now available on lifetechnologies.com
88402	Slide-A-Lyzer MINI Dialysis Device, 20K MWCO, 0.5mL Formulation: Cellulose membrane in polypropylene insert enclosed in a 15mL conical tube with cap <i>Sufficient For: 25 samples, each 50 to 500µL</i>	25 devices				\$204.00 Now available on lifetechnologies.com
88405	Slide-A-Lyzer MINI Dialysis Device, 20K MWCO, 2mL Formulation: Cellulose membrane in polypropylene insert enclosed in a 50mL conical tube with cap <i>Sufficient For: 25 samples, each 200 to 2000µL</i>	25 devices				\$220.00 Now available on lifetechnologies.com



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