

PRODUCT INFORMATION

ReadyLyzer 20 MWCO 1 kDa

Cat. No.: 44629

PRODUCT DESCRIPTION

ReadyLyzer are ready-to-use devices for quick and efficient dialysis consisting of a low-binding plastic tube with an ultra-pure dialysis membrane pre-installed and screw cap.

Application Desalting, buffer exchange, removal of small molecular impurities, sample concentration

Dialysis Procedure

- Fill the ReadyLyzer with 20 ml dH₂O, incubate it at least for 5 min and empty the tube.

IMPORTANT: Make sure that there is no dH₂O leakage.

Absorption of water by the dry membrane will decrease the water level.

- Pipet sample (10 - 20 ml) into the ReadyLyzer tube and close the screw cap. Pipet small sample volumes (e.g. 10 ml) close to the inner membrane.
- Place the ReadyLyzer in the supplied floating rack. Position the rack according to sample volume: ≤ 10 ml middle, > 10 ml top of the device
- Transfer it into a beaker (on a magnetic stirrer) containing a large volume of the desired buffer (100- to 1000-fold of the sample volume).
- Adjust the speed of the stir bar.
- Low-molecular salts and buffers (Tris-HCl, NaCl) equilibrate within 3 hours. Equilibration times for viscous samples will be longer.

IMPORTANT: Optimal equilibration times for the dialysis must be determined by the user.

- Change dialysis buffer as necessary, at least 2-3 times
 - After dialysis remove sample carefully using a pipette and transfer the sample into a clean tube.
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Concentration Procedure

- Pipet sample into the ReadyLyzer or use already dialyzed sample, place it in bench top tube rack and let sample evaporate e.g. by using a fan to speed up the process.
 - Check sample frequently to prevent complete evaporation.
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IMPORTANT: When evaporation water, small molecules (buffer salts, reducing agents etc.) will also be concentrated in the sample.

Storage Store at + 15 °C to + 30 °C

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