SERVA Electrophoresis

PRODUCT INFORMATION

ReadyLyzer 3 MWCO 12 - 14 kDa Cat. No.: 44627

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

Use the large cap for 0.1 – 2 ml and the small one for 2 – 3 ml.

- Fill the ReadyLyzer with 2 or 3 ml dH_2O, incubate it at least for 5 min and empty the tube.

IMPORTANT: Make sure that there is no dH_2O leakage.
Absorption of water by the dry membrane will decrease the water level.

- Pipet sample (0.1 - 3 ml) into the ReadyLyzer tube and close the screw cap. Pipet small sample volumes (e.g. 100 µl) close to the inner membrane.
- Place the ReadyLyzer in the supplied floating rack and 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.
- Allow at least 30 min equilibration for each 100 µl of sample. 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.

Concentration Procedure

- Pipet sample into the ReadyLyzer or use already dialyzed sample, place it in bench top micro tube rack and let sample evaporate e.g. by using a fan to speed up the process.
- Check sample frequently to prevent complete evaporation.

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 Ver. 07/15

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