

## 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.

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

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#### 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<sub>2</sub>O, incubate it at least for 5 min and empty the tube.
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**IMPORTANT:** Make sure that there is no dH<sub>2</sub>O leakage.

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

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

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- 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 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.
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**IMPORTANT:** When evaporation water, small molecules (buffer salts, reducing agents etc.) will also be concentrated in the sample.

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**Storage**      Store at + 15 °C to + 30 °C

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