

## PRODUCT INFORMATION

### **SERVAPOR® 3 MWCO 3500**

**Cat. No.: 44558**

#### **PRODUCT DESCRIPTION**

SERVAPOR® dialysis tubings are made of regenerated cellulose (RC). The membranes excel in high mechanical stability and show minimal contamination.

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

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#### **Dialysis Procedure**

- Calculate length of tubing needed with the help of the given filling volume (ml/cm). Allow at least 10 % additional length for sample expansion and 2 - 4 cm on either end for closures.
  - Wear gloves and cut the tubing into the desired length.
  - Soak tubing in dist. H<sub>2</sub>O for 15 – 20 min.
  - Rinse thoroughly in clean dist. H<sub>2</sub>O
  - Close one end of the tubing with a closure.
  - Pipet the sample in the tubing.
  - Close the other end of the tubing also by using a closure.
  - Immerse the tubing in dialysis buffer
  - Low-molecular salts and buffers (Tris-HCl, NaCl) equilibrate within 3 hours. Equilibration times for viscous samples will be longer.
  - Change dialysis buffer as necessary, at least 2-3 times
  - After dialysis is completed, remove the tubing from the buffer solution, release on closure and collect the sample carefully.
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#### **Membrane pre-treatment to remove traces of sulphur and heavy metals**

- Cut the membrane into the desired length, fully immerse it in 1 L aqueous solution of 2 % (w/v) NaHCO<sub>3</sub> and 1 mM EDTA using a 2 L glass beaker.
  - Boil the membrane in the solution for 10 min.
  - Rinse thoroughly in dist. H<sub>2</sub>O.
  - Transfer the membrane in another 2 L glass beaker, add 1 L dist. H<sub>2</sub>O and boil it for 10 min.
  - Remove the water and add 50 % Ethanol/1 mM EDTA solution to submerge the membrane fully.
  - Then the membrane can be stored in 50 % Ethanol/1 mM EDTA solution at + 4 °C.
  - Rinse thoroughly with dist. H<sub>2</sub>O prior to use.
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#### **Storage**

Store dry membrane at + 15 °C to + 30 °C.

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