

Introduction

To achieve optimal resolution with WETSEM™ Technology, features of interest should be in the closest proximity possible to the QX-Capsule's membrane. To enhance proximity of particles or other elements to the membrane, the membrane can be treated with "attachment factors". Poly-L-lysine is a positively charged polymer which is commonly applied in order to improve imaging results of particles, suspension, micro-organisms and other samples. Following is the procedure for application of Poly-L-Lysine onto the QX-102 Capsule membrane.

➤ The reagents required

- 0.1% w/v Poly-L-Lysine in water (for example Sigma Cat. No. P8920).
- Distilled water

➤ Procedure:

1. Apply 15 µl of 0.1% Poly-L-Lysine solution to the liquid dish and incubate for one hour at room temperature. Longer incubation times, up to overnight, also give good results.
2. Remove the solution and rinse the liquid dish twice with distilled water.
3. Remove the water and dry the liquid dishes for later use. Alternatively, keep the liquid dish filled with water until applying the sample.



NOTE

Protocols provided by Quantomix are based on work conducted at Quantomix laboratories. They are given as a starting point which will facilitate the user's first steps in acquiring the desired imaging results. It is the user's responsibility to determine the suitability of any protocol published by Quantomix to their applications. Users may find it necessary to modify protocols in order to obtain the information required for their study.