Poly-L-lysine hydrobromide (PLL) (0.078% w/vol)

1. Allow PLL powder to come to room temperature.
2. Add 2 mL of MilliQ water to the original container. Cap and mix well to dissolve.
3. Use a 1 mL pipette to transfer the entire contents to a 50 mL conical. Add 30 mL MilliQ water. Cap and mix thoroughly.
4. Add 64 µL Photo-Flo and mix thoroughly.
5. Add ~15 mL of the PLL solution to a cover glass staining jar.
    - Always protect from light.
    - Store at 4°C.
6. Store excess PLL solution in the sealed conical tube.
    - Always protect from light.
    - Store at 4°C.
7. As needed, add PLL solution from the stock supply to the staining jar to keep the volume ~15 mL.
    - If PLL solution in the jar contains debris, discard the solution, rinse the jar with MilliQ and refill with fresh PLL solution.
    - Shelf Life - if kept refrigerated, the PLL solution should remain good for 3 months from the date prepared.

Reagents and Supplies

- Cover glass staining jars with screw cap. Electron Microscopy Sciences. # 72242-24 (4 pack)
- Kodak Photo-Flo 200 Solution. Electron Microscopy Sciences. # 74257
    - Acts as a wetting agent by decreasing water surface tension, promotes faster, more uniform drying
- Poly-L-lysine hydrobromide (PLL). Sigma Aldrich. # P1524-25MG.