Protocol for coating of coverslips or culture vessels with Poly-L-Lysine

Directions for Use

Use these recommendations as guidelines to determine the optimal coating conditions for your culture system. To maintain sterility, perform all operations in a laminar flow hood.

1. A typical working concentration is 0.1 mg/ml. If a different concentration is desired, transfer desired volume of solution from the bottle to a dilution vessel. Dilute to desired concentration using tissue culture grade water or PBS.
2. Sterile filter through 0.22 micron filter.
3. Add appropriate amount of diluted material to culture surface. Typically, 1 ml per 25 $cm^2$is used. Rock gently to ensure uniform coating of culture surface.

Option A:

3. Allow to incubate for 60 minutes at room temperature, remove excess solution by aspiration.
4. Thoroughly rinse surface with tissue culture grade water and aspirate rinse water.
5. Incubate and allow to dry at room temperature or 37°C, covered, for at least 2 hours. Coated cultureware can be stored for up to 1 week. Go to Step 9

Option B:

6. Allow to incubate overnight at room temperature, remove excess solution by aspiration.
7. Thoroughly rinse surface with tissue culture grade water and aspirate rinse water.
8. Incubate and allow to dry at room temperature or 37°C, covered, for at least 2 hours. Coated cultureware can be stored for up to 1 week.
9. Introduce medium and cells to the culture surface.

Store remaining Poly-L-Lysine solution at -10 to 30°C.

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