

Product Data Sheet

Product Name: Poly-L-lysine

Cat. No.: GC19600

Chemical Properties

Cas. No. 25988-63-0

Formula M.Wt 3~7W

Solubility Storage Store at -20°C, stored under nitrogen

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Experimental Protocol:

1. Prepare a 1mg/mL poly-lysine stock solution in sterile water, sterilize by filtration through a 0.22µm microporous filter, and store in aliquots at -20°C.
2. Dilute to 0.1mg/mL with sterile ultrapure water before use.

Note: It is recommended to use plastic containers and graduated cylinders when mixing or storing the solution and coating slides. Do not add fresh solution to used solution.

3. Equilibrate the diluted poly-lysine working solution to room temperature (18–26°C) before use.
4. Add the poly-lysine working solution to the culture vessel, gently rock to ensure even coverage,

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and incubate at room temperature for 5–10 minutes.

5. Aspirate the working solution, wash the culture vessel 1–2 times with PBS, and dry in an oven at 60°C for 1 hour or at room temperature (18–26°C) overnight.

Note: Poly-lysine is cytotoxic; the concentration of the coating solution may be reduced depending on specific experimental requirements.

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