

Poly-L-Lysine Solution (0.01%): DR0260-100ML

Intended Use: For Research Use Only.

Description: Poly-L-Lysine is a synthetic amino acid chain that is positively charged having one hydrobromide per unit of Lysine. Poly-L-Lysine is widely used as a coating to enhance cell attachment and adhesion to both plasticware and glass surfaces, improve growth and differentiation of many cell types. Certain cell types secrete proteases, which can digest Poly-L-Lysine. For those cell types, Poly-D-Lysine should be used. The molecular weight of Poly-L-Lysine for cell culture can vary significantly, from lower molecular weight of 30,000 Da being less viscous to higher molecular weight >300,000 Da having more binding sites per molecule. This product uses a Poly-L-Lysine of 84000 Da, yielding a solution viscosity for easy handling while providing sufficient binding sites for cell attachment.

Package:

Description	Catalog No.	Size
Poly-L-Lysine Solution (0.01%)	DR0260-100ML	100 ml

Reagents Supplied: One bottle of Poly-L-Lysine Solution in sterile water at 0.01% w/v (0.1mg/ml), filtered through a 0.2 micron filter before freezing. Solution is clear and free of particulates.

Storage and Stability: Store at -20°C for up to 4 months from date of receipt. Avoid multiple freeze thaw cycles to maintain product integrity. All performance claims are void after the product expiration date.

Recommended Procedure:

1. Thaw Poly-L-Lysine solution at room temperature.
2. Dilute Poly-L-Lysine solution to desired concentration in sterile water.
3. Fully coat the cell culture surface with diluted Poly-L-Lysine solution. Use 5 mL volume for 6-cm plates and 10 mL volume for 10-cm plates and T75 flasks.
4. Allow cell culture vessel to sit at room temperature overnight.
5. Aspirate the Poly-L-Lysine solution the following day and rinse vessel with sterile water followed by coating with desired ECM protein.

Note: Optimal coating concentrations must be determined by end user. Typical coating concentrations range from 10 ug/ml to 100 ug/ml based on cell type and application.

Quality Control Assay:

Solution is clear with no particulates present. Solution is sterile and suitable for cell culture assays.

Uses/Limitations:

Not to be taken internally.
Do not use if reagent becomes cloudy.
Use caution when handling reagents.

Precautions:

Avoid contact with skin and eyes.
Harmful if swallowed.
Follow all Federal, State, and local regulations regarding disposal.

Troubleshooting:

1. Refer to reagent-specific protocol recommendation according to datasheet provided.
2. For further assistance, contact Medaysis at Techsupport@medaysis.com or +1 510-509-3153.