

Poly-L-Lysine-Solution

Poly-L-Lysine Stock Solution – Optimized coating for several primary cell types

Product Description:

Poly-L-Lysine (PLL), a synthetic compound, is a highly positively charged amino acid chain that enhances cell adhesion by altering surface charges on the culture substrate. It is commonly used as a coating agent to promote cell adhesion in culture. In addition to promoting cell adhesion, PLL surface treatments improve the survival of many primary cells in culture and support neurite outgrowth. This solution is provided as stock solution and contains polymers in the 70,000 - 150,000 kDa range. Substrate for cell culture adhesion. Optimal conditions for attachment must be determined for each cell line and application.

PLL-Solution is tested for the ability to promote cell attachment and that Endotoxin is below 20EU/ml.

Sterility testing: No Bacterial, fungal or mycoplasma growth was detected.

Storage:

Product is stable for at least 6 months from the date of receipt when stored at 2 - 8° C and is stable for at least 2 years at -20° C. Keep sterile..

Concentration: 10 mg/ml, sterile-filtered

Preparation: Recommended concentration for normal human cell attachment is 2 µg/cm².

The following table is a guide for the suggested volumes required per flask:

Flask	Water (ml)	Poly-L-lysine (µl)
T-25	5	5 (10 mg/ml)
T-75	10	15 (10 mg/ml)
T-175	13	30 (10 mg/ml)

- Pipette the appropriate amount of water and PLL solution in each flask. Swirl the flask to ensure coverage. Incubate the flask for 1 hour at 37° C.
- Remove PLL solution in the flask. Rinse the flask twice with sterile water. Add medium and cells (It is not necessary to dry the flask before adding medium and cells into flask).

Product Information

- Catalogue number: PB-LU-000-0002-00 pll
- Components: 10 mg

MSDS is available upon request!

Products are for research use only. They are not intended for human, animal, or diagnostic applications.

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