cyagen | OriCell™

User Manual

OriCell™ Poly-L-lysine Solution

Catalog No. PLLY-10001

We help you discover life

Introduction

Poly-L-lysine Solution is an artificially synthesized compound and serves as a non-specific adhesion factor for cells. It promotes the adhesion of cells to solid substrates by enhancing the electrostatic interaction between negatively charged ions on the cell membrane surface and the culture surface. The culture substrate treated with it can also effectively support the axonal growth of neuronal cells and improve the survival rate of many primary neuronal cells in the nervous system.

OriCell™ Poly-L-lysine Solution is suitable for the culture of various difficult-to-adhere cells, the adhesion and growth of primary neuronal cells, the differentiation studies of neural stem cells, and the preparation of cell crawling slices, with good and stable effects.

Note: **This product is only provided for further scientific research. It is not intended for diagnostic, therapeutic, clinical, household, or any other applications.**

When citing our products in academic journals, please indicate "OriCell™ + Catalog Number, from Cyagen Biosciences (Guangzhou) Inc."

Product Ingredients

Component	Concentration (w/V)
OriCell™ Poly-L-lysine Solution	1 mg/mL

QC

- Pass the detection of bacteria, fungi, mycoplasma and endotoxins.
- Pass the detection of osmotic pressure and pH.
- Pass the detection of product quality.

Please refer to "COA" for details.

Product Stability and Storage Conditions

1. The product must be kept in dark place.
2. The product must be stored at -20°C for a period of 1 years.
3. If the product cannot be used up quickly, aliquot it into separate containers to avoid repeated freeze-thaw cycles.
4. Please use the product before the expiration date, as expired materials may significantly affect cell culture performance.

Instructions

1. Remove the product from the -20°C freezer before use and thaw it in a 4°C refrigerator.
2. Dilute the product to the desired experimental concentration using sterile water for injection and mix thoroughly. Typically, Poly-L-lysine Solution is used at concentrations between 10 and 100 μg/mL for coating the culture substrate.

3. Evenly spread the diluted Poly-L-lysine Solution over the bottom surface of the cell culture container, allowing it to coat for at least 30 minutes.
4. Aspirate the excess solution and let the container dry statically in a clean bench until it appears completely dry to the eye before seeding cells.
5. Use the coated and dried culture container as soon as possible for optimal results.