Poly-L-Lysine solution(1×)

Cat. No.：PB180522

Size：5mL

Product Description

This product is used for a part of the cells in the culture process without the use of coating reagents to promote adherence, which will affect the normal growth of cells. It is only used for cell culture.

General Information

Form	Liquid
Concentration	0.1 mg/mL
Size	5mL
Storage Conditions	-5~-20°C, shading light
Transport Conditions	Ice bag
Expiration Date	24 months

Use Instructions

1. The working concentration (0.1 mg/mL) of poly-L-Lysine is added to the culture vessel, the amount of which is added depending on the size of the vessel. Generally, it is enough to moisten or cover the growing side of the petri dish. For example, 1-2 mL poly-L-Lysine is added to the T25 culture flask.
2. The culture vessel is placed into a 37°C incubator and incubate for more than 30-60 min, paying attention to aseptic operation.
3. The poly-L-lysine solution is carefully aspirated, and the sterile culture bottle is securely capped and placed in either a 37°C incubator or 4°C refrigerator.
4. After more than 4 hours in the 37°C incubator or overnight in the 4°C refrigerator, the cell coating is completed.
5. The coated culture bottles can typically be stored at room temperature in a biosafety cabinet or at 4°C in a refrigerator for 3 to 7 days. It is advisable to use them within 3 days to ensure optimal coating efficacy. Prolonged storage may compromise the integrity of the coating.
6. In the biosafety cabinet, the coated culture flask is removed and washed 3 times with PBS or medium.
7. Culture flasks are used for normal inoculation.

Notes

1. The amount of coating solution depends on different culture vessels. Generally, it is ensured that the bottom of the culture vessel is completely covered, and the coating should not be dried within the time.

Culture vessels	Dosage recommendation (for reference only)
1 well in a 12-well plate	0.5 mL
1 well in a 6-wel plate	0.8 mL
6 cm culture dish	1-1.5 mL
10 cm culture dish	3 mL
T25 culture flask	1-1.5 mL
T75 culture flask	3-4 mL

2. Poly-L-lysine is mildly toxic. Therefore, the coated culture vessel must be cleaned 3 times with PBS or medium before use.
3. The coating process includes two stages: coating time and drying time. Coating time is the period during which the coating solution adheres to the surface; it is advisable to follow the recommended time since longer durations do not improve the effect.The drying time is the period allowed for the coated culture vessels to air dry after coating, ensuring that the coating solution is completely dry and achieves optimal adhesive properties.
4. The effect of the coated liquid is not affected when it is transported at normal temperature for 3-5 days. However, it should be stored according to storage conditions.
5. All the above operations are based on sterile reagents, consumables, and operation in a sterile environment.