

## 1×Poly-L-lysine Solution (0.1mg/ml, RNase free)

Cat NO. IP9220

**Storage:** -20°C, 1 year (protect from light)

### **Introduction:**

Poly-L-lysine Solution is a widely used adhesive for tissue slides and slides, and the interaction of the polycationic molecules with the anions on the tissue slides will produce a strong adhesive force. It is suitable for anti-slip treatment of slides in histology, immunohistochemistry, frozen section, cell smear, in situ hybridization and other experiments, so as to prevent tissue from falling out during experimental operation.

This product is an RNase free coated slide that can be used for RNA experiments.

### **Protocols (only for reference):**

#### **Cell culture**

1. The coating time and concentration of poly-l-lysine solution and even the choice of diluent are different for different cells. Please choose the appropriate concentration for coating by yourself. In general, poly-l-lysine solutions are encapsulated for at least 5min when used in cell culture.
2. After coating, absorb the poly-l-lysine solution and dry the culture vessel naturally until it is completely dried by naked eye observation; The ventilation cabinet can be dried for a few minutes, and some experiments need to dry for 2h or longer; Longer drying times are generally more conducive to subsequent cell adhesion.
3. When conducting cell culture, it can also be washed with appropriate solutions such as water, PBS or culture medium before cell culture.

#### **Nucleic acid hybridization**

Method I: Take the prepared slide or cover slide and cool it to room temperature by 160°C, dip it in 1× poly-l-lysine for several times, dry it naturally, reserve it at 4°C, or store it at room temperature for 1 month.

Method II: 1× poly-l-lysine is applied to the slide and can be used after natural drying, which can be used for cell smear and section.

Method III: Add 5 ~ 10μL 1× poly-l-lysine to the slide, with another coverslip pushed in the blood smear method or with another slide pressed firmly against it, rub each other so that the opposite side of the two slides is coated with gelatin coated solution.

#### **Note**

1. Avoid RNase contamination during operation.
2. Please use the reagent as soon as possible after opening, to avoid affecting the subsequent experiment results.
3. Avoid repeated freeze-thaw. If used in large quantities, an appropriate amount of the solution can

be taken separately and stored at 4°C. Use it up as soon as possible.

4. Poly-L-lysine can be digested and absorbed by certain cells, and excessive intake of poly-L-lysine can produce certain cytotoxicity.
5. When dipping poly-L-lysine, make sure that the slide is completely immersed in the liquid, otherwise it is easy to make the coating incomplete and the sample falls off.
6. For your safety and health, please wear laboratory coats and disposable gloves when operating.
7. This reagent is only for use in the field of scientific research and is not suitable for clinical diagnosis or other purposes.
8. For customized products, please contact us.

### Related products

- IM9040 Methanal-Gelatin Coating Buffer (RNase free)*
- IM9050 Methanal-Gelatin Coating Buffer (Sterile)*
- IG9021 4% Glutaraldehyde (RNase free)*