

## Poly-D-Lysine Solution (0.01%) in PBS, Ready to Use

Catalog	Unit Size
TBS8039-50	50 mL
TBS8039-500	500 mL

### DESCRIPTION

Poly-D-Lysine is a synthetic polymer composed of D-lysine units, which are positively charged, enhancing cell attachment and adhesion to both plasticware and glass surfaces. It is particularly useful for culturing cell types that are sensitive to proteases, as these cells can degrade Poly-L-Lysine. For such applications, Poly-D-Lysine is preferred due to its resistance to enzymatic degradation. This molecule has been widely used to support the adhesion of a variety of cell types, especially neural cells.

The molecular weight of Poly-D-Lysine can vary, with lower molecular weight (around 30,000 Da) being less viscous and higher molecular weight (>300,000 Da) offering more binding sites per molecule. This product's molecular weight ranges from 70,000 to 150,000 Da, providing a solution with optimal viscosity for ease of handling while maintaining enough binding sites to support effective cell attachment.

### COMPONENTS

0.01% Poly-D-Lysine in PBS, Sterile.

### APPLICATION

- Cell culture for cell attachment
- Slide or glass coating.
- Plate coating.

### PACK SIZE

50 mL or 500 mL / bottle

### STORAGE

Store at 4°C for 2 years.

### PROCEDURES

This concentration of 0.01% is directly used for cell culture, IHC, and other coating applications.

### RELATED PRODUCTS

0.01% Poly-L-Lysine Solution in PBS (TBS8040)  
0.01% Poly-D-Lysine Solution in water (TBS8038)  
MCF-7 Cell Complete Medium (TBS8036)  
DMEM Medium (TBS8061)  
RPMI-1640 (TBS8063)  
0.1% Gelatin Solution (TBS8004)  
2x HBS, pH7.05 (TBS5076)  
100x HAT Supplement (TBS8075)  
LB Medium (TBS8056)  
SOB Medium (TBS8057)  
SOC Broth Medium (TBS8058)  
2x YT Broth Medium (TBS8059)  
HT supplement (TBS8073)  
Hybridoma growth medium (TBS7074)  
HAT supplement (TBS8075)  
B-27 Supplement (50x) (TBS8079)  
N-2 Supplement (100x) (TBS8081)  
Neurobasal Plus Medium (TBS8082)  
DMEM/F12, HEPES (TBS8083)  
M2 Mouse Embryo Medium (TBS8070)  
KSOM Mouse Embryo Medium without AA (TBS8071)  
Human Tubal Fluid (HTF) Mouse Embryo Medium (TBS8072)  
Adipocyte Differentiation Cocktail (TBS8017)  
Chondrogenic Differentiation Medium (TBS8062)  
Human ES and iPS Complete Cell Medium (Chemically defined) (TBS8064)

For Research Use Only.