

Gelatin Solution (0.1%)

Contains 0.1% gelatin in cell/tissue culture grade water
Sterile-filtered
Endotoxin tested
Cell culture tested

Catalog Number **LS 023-01**
Storage Temperature 2~8°C

Product Description

Applications using gelatin include coating cell culture plates to improve cell attachment for a variety of cell types, addition to PCR to help stabilize Taq DNA polymerase, and use as a blocking reagent in Western blotting, ELISA, and immunohistochemistry. In bacteriology, gelatin can be used as a component of culture media for species differentiation. Additionally, as a biocompatible polymer, gelatin has been used as a delivery vehicle for the release of bioactive molecules and in the generation of scaffolds for tissue engineering applications.

LS 023-01 contains 0.1% gelatin in cell/tissue culture grade water (**LS016-01**).

Storage/Stability

The concentrated Gelatin solution should be stored at 2~8°C. Deterioration of the solution may be recognized by (1) precipitate or particulate matter throughout the solution, (2) cloudy appearance, (3) color change, and/or (4) pH change. Product label bears expiration date.

Precautions

For *In Vitro* Use Only

Product Profile	
Appearance	Clear colorless solution
Endotoxin	≤ 1.0 EU/ml
Sterility	Sterilized by 0.2 μm filtration system. Sterility tests are performed in accordance with protocols described in USP.

References

PCR Primer: A Laboratory Manual, C. Dieffenbach and G. S. Dveksler, Eds., Cold Spring Harbor, NY (1995).
Vogt, R. F., Jr., Quantitative differences among various proteins as blocking agents for ELISA microtiter plates. *J. Immunol. Methods* **101**, 43, (1987).
Levine, M., and Carpenter, D.C., Gelatin liquefaction by bacteria. *J. Bacteriol.* **8**, 297, (1923).
Young, S. *et al.*, Gelatin as a delivery vehicle for the controlled release of bioactive molecules. *J. Control Release* **109**, 256-274 (2005).
Huang Y, *et al.* *In vitro* characterization of chitosan-gelatin scaffolds for tissue engineering. *Biomaterials* **26**, 7616-7627 (2005).