

0.1% Gelatin Solution (Catalog# TBS8004)

DESCRIPTION

Gelatin is a heterogeneous mixture of water-soluble proteins of high average molecular matrices, present in collagen. The proteins are extracted by boiling skin, tendons, ligaments, bones, etc. in water. Type A gelatin is derived from acid-cured tissue.

0.1% Gelatin Solution is used to coat cell culture flasks and plates. The use of coated-flasks and plate improve cell attachment for certain types of primary cells as well as certain continuous cell lines.

CONTENTS

Gelatin Solution contains 0.1% porcine gelatin in water. 500mL/each.

Sterility: The solution is sterilized.

APPLICATIONS

Applications include coating cell culture plates or flasks to improve cell attachment for a variety of cell types

STORAGE CONDITIONS

Store the 0.1% Gelatin Solution at room temperature. When stored as directed, the product is stable until the expiration date on the label.

This product is for *in vitro* research use only and is not intended for use in humans or animals in therapeutic or diagnostic procedures.

SUGGESTED COATING PROTOCOL

1. Decontaminate the external surface of the bottle by spraying with 70% ethanol.
2. Using aseptic technique and working in a laminar flow hood or biosafety cabinet, add 1.0 mL of 0.1% Gelatin Solution per 10 cm² of culture surface area.
3. Rock culture flask to coat surface; place in a 37°C incubator (with or without 5% CO₂) for at least 30 minutes, and up to overnight.
4. Aspirate the excess gelatin solution from the culture flasks
5. Add 5.0 mL of complete growth medium per 25 cm² of culture surface area
6. Place the gelatin-coated flasks in a 37°C, 5% CO₂ incubator for at least one hour to equilibrate before inoculating with the cell suspension.

RELATED PRODUCTS

AP Staining Kit I (Red; Catalog# TBS2080)
AP Staining Kit II (Blue, Catalog# TBS2085)
FBS(catalog# TBS 8001)
Protein Loading Buffer (catalog# TBS5014)