CELLBIO™
in service of your CELL

Technical Datasheet

Gelatin Solution 2%

With 2% Type B Gelatin from bovine skin in sterile tissue culture grade water
Sterile filtered

Product Code: TCL059

Product Description:

CAS No: 9000-70-8

Gelatin is a protein produced by partial hydrolysis of collagen extracted from boiled bones, hides and skin, connective tissues, organs and some intestines of domesticated animals like cattle, pigs and horses. The natural molecular bonds between individual collagen strands are broken down into a form that rearranges more easily. The raw material used for the extraction of collagen is pretreated by acid or alkali. Acid treatment is especially suitable for less cross linked materials such as pig skin collagen whereas alkali treatment is suitable for more complex collagen such as the collagen found in bovine hides. The gelatin obtained from acid treated raw material has been called type-A gelatin, and the gelatin obtained from alkali treated raw material is referred to as type-B gelatin.

Gelatin is widely used in cell culture for coating the cell culture plates and flasks to improve cell attachment for certain types of cells. In microbiology gelatin is used as a media component to determine the gelatinolysis by bacteria. It is also used as a delivery vehicle for the release of bioactive molecules, as a blocking agent in ELISA and other immunochemistry assays. Gelatin's industrial applications include medicine capsules, photographic plate coatings, and dying and tanning supplies.

TCL059 is a sterile filtered 2% solution of Gelatin from bovine skin prepared in tissue culture grade water. Gelatin is generally used in cell culture applications at a concentration of 0.1%.

Quality Control:

Appearance
Clear colorless to Light yellow viscous solution.

pH
5.00 -6.00

Sterility
No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.

Cell Culture Test
Passes

Storage and Shelf Life:

Store at 15 - 30°C.
Shelf life of the product is 24 months.
Use before expiry date given on the product label.

Disclaimer :

Revision : 04/2022

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic , research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.

HIMEDIA®
HiMedia Laboratories Pvt. Ltd.

Plot No. C40, Road No. 21Y, MIDC, Wagle Industrial Area, Thane (West) 400604, Maharashtra, India.Tel No.022-69034800
Email: atc@himedialabs.com Website: www.himedialabs.com.