Datasheet

Gelatine Solution

Solution in DPBS

Product	Description	Catalogue-No.	Size
Gelatine Solution	**Solution 0.1 % in DPBS**	**P06-20410** **P06-21410**	**500 ml** **100 ml**

Product description
Gelatine is a heterogeneous mixture of water soluble proteins of high average molecular weight present in collagen. The proteins are extracted by boiling skin, tendons, ligaments, or bones in water.

Storage conditions
Storage: 2-8°C
Stability: 2 years from date of production
Size: 100 ml, 500 ml, other sizes on request

Sterile solutions of gelatine, stored at 2-8°C, remain unchanged, but at elevated temperatures hydrolysis or rupture of peptide bonds occurs, increasing the number of free amino groups. This degradation is accelerated by extremes in pH, proteolytic enzymes, and bacterial action.

Composition
Gelatine 0.1 % in DPBS, w/o: Ca, Mg, Type A, from porcine skin

Suitability
FOR RESEARCH USE ONLY!
Not approved for human or animal diagnostic or therapeutic procedures.

Special advantages
Applications using gelatine include coating cell culture plates to improve cell attachment for a variety of cell types, addition to PCR to stabilize Taq DNA polymerase, and use as a blocking agent in Western blotting, ELISA, and immunohistochemistry. In bacteriology, gelatine can be used as a component of culture media.
Industrial applications include the use of gelatine as a stabilizer, thickener, and texturizer in foods and in manufacturing. In the pharmaceutical industry, gelatine is used as a suspending agent, encapsulating agent, and tablet binder.

Coating procedure
Coating of cell culture vessels using 0.1 % solution:
Optimal conditions for attachment must be determined for each cell line and application.

- Allow gelatine solution to completely dissolve at 37 °C.
- Coat culture surface with 100−200 µl gelatine solution per cm^2 (0.1−0.2 mg per cm^2 gelatine) and incubate at 37 °C for at least 30 minutes.
- Remove excess gelatine solution aseptically and allow surface to dry at least 2 h before introducing cells and medium.

Technical Support
For technical support, questions or remarks please contact your local PAN-Biotech partner or the technical department of PAN-Biotech via email (info@pan-biotech.com) or phone +49-8543-601630.

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