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Saisir le nom du produit, le numéro de lot, etc.

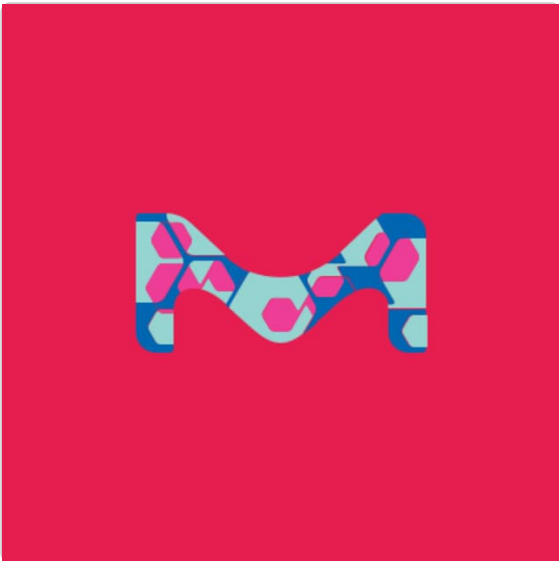


G1393 ▶ Sigma-Aldrich®

Gelatin solution

★★★★★ 5.0 (2)

Type B, 2% in H2O, tissue culture grade, BioReagent, suitable for cell culture



Toutes les photos (1)

Numéro CAS:

9000-70-8

Numéro MDL:

MFCD00081638

NACRES:

NA.75

Select an Option

Référence

G1393-20ML



20 ML

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1

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Ajouter au panier

Demander une commande en gros

Documents

↓ FDS

🔍 COO/COA

📄 Fiche des caractéristiques

Plus de documents »

PRODUITS RECOMMANDÉS



Sigma-Aldrich

G9391

Gelatin from bovine skin

Type B, powder, BioReagent, suitable for cell culture

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PROPRIÉTÉS

Source biologique
bovine hide

Niveau de qualité
200

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[GET YOURS HERE](#)**Type**

Type B

Gamme de produits

BioReagent

Forme

solution

Conditionnement

pkg of 100 mL

pkg of 20 mL

Concentration2% in H₂O, tissue culture grade**technique(s)**

cell culture | mammalian: suitable

Couverture de la surface100-200 µg/cm²**Impuretés**

endotoxin, tested

Solubilité

water: soluble

Expédié(e)s dans

ambient

Temp. de stockage

2-8°C

Vous recherchez des produits similaires ? Visit [Guide de comparaison des produits](#)

Catégories apparentées[Attachment Factors](#)**DESCRIPTION****Description générale**

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from the triple helical collagen. The most common source for industrial production of gelatin is slaughter byproducts. The type A gelatin and type B differ in their isoelectric pH. This product is recommended for use as a cell culture substratum at 1-5 µg/cm² or 0.5-50 µg/mL. The optimal concentration does depend on cell type as well as the application and research objective.

Application

Gelatin solution has been used:

- for coating of cell culture plates or dishes used for embryonic stem cell culture, testicular cell culture and neural rosettes
- in coating cell culture to improve attachment of cells
- in PCR to stabilize Taq DNA
- as a blocking reagent in western blotting
- in ELISA
- in immunochemistry
- as a component of media for species differentiation in bacteriology
- to study long-chain fatty acid-induced changes in gene expression in neonatal cardiac monocytes
- to study to test mobilization of capillary endothelium *in vitro* induced by effectors of angiogenesis *in vivo*

Actions biochimiques/physiologiques

Gelatin has gelling property and displays surface behaviour for use in foams and adhesions. It also serves as a clarification agent in fruit based juices. It is a digestible protein and serves as a binding agent, thickener, stabilizer and emulsifier in food industry. As a biocompatible polymer, it has used as a delivery vehicle for release of active biomolecules and in generation of scaffolds for tissue engineering applications.

Composants

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

Attention

Dry gelatin, when stored in airtight containers at room temperature, will remain unchanged for many years. When heated at 100°C in the presence of air, it swells becomes soft and disintegrates to a carbonaceous mass with evolution of pyridine bases and ammonia.

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PRODUITS APPARENTÉS

Recommandé(E)(S)

CLS3422

Corning® Transwell® polycarbonate membrane cell culture inserts, 6.5 mm Transwell with 8.0 µm pore polycarbonate membrane insert, TC-treated, w/lid, sterile, 48/cs

[View Pricing](#)

INFORMATIONS SUR LA SÉCURITÉ

Code de la classe de stockage

12 - Non Combustible Liquids

WGK

WGK 2

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

DOCUMENTATION

Certificat d'analyse

Saisir un numéro de lot pour rechercher un certificat d'analyse (COA).

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COA)

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Certificat d'origine

Saisir un numéro de lot pour rechercher un certificat d'origine (COO).

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COO)

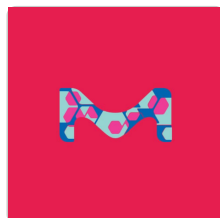
Rechercher

Fiche D'informations Produit

Product Information Sheet

FDS

LES CLIENTS ONT ÉGALEMENT CONSULTÉ



Sigma-Aldrich

48723

Gelatin

tested according to Ph. Eur.

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ARTICLES REVUS PAR DES PAIRS

Gelatin, source, extraction and industrial applications

Mariod AA and Fadul H

Acta Scientiarum Polonorum. Technologia Alimentaria, 12(2), 135-147 (2013)

Mutations in LRRK2 impair NF-kappaB pathway in iPSC-derived neurons

de Maturana RL, et al.

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Embryonic aorta

Lempereur A, et al.

Developmental Biology, 434(2), 292-303 (2018)

Attenuated PDGF signaling drives alveolar and microvascular defects in neonatal chronic lung disease.

Prajakta Oak et al.

EMBO molecular medicine, 9(11), 1504-1520 (2017-09-20)

Neonatal chronic lung disease (nCLD) affects a significant number of neonates receiving mechanical ventilation with oxygen-rich gas (MV-O

Optimal culture conditions are critical for efficient expansion of human testicular somatic and germ cells in vitro

Gat I, et al.

Fertility and Sterility, 107(3), 595-605 (2017)

[Afficher tous les articles scientifiques apparentés](#)

PROTOCOLES ET ARTICLES SCIENTIFIQUES

Articles

Attachment Factors for 3-Dimensional Cell Culture

Attachment Factors for 3-Dimensional Cell Culture

What is the Extracellular Matrix?

The extracellular matrix (ECM) is secreted by cells and surrounds them in tissues.

3D Cell Culture Tools and Techniques

3D cell culture overview. Learn about 2D vs 3D cell culture, advantages of 3D cell culture, and techniques available to develop 3D cell models

Cancer Stem Cells: Targets for Cancer Therapy

Cancer stem cell media, spheroid plates and cancer stem cell markers to culture and characterize CSC populations.

Protocoles

Gelatin Coating Protocol for Cell Culture

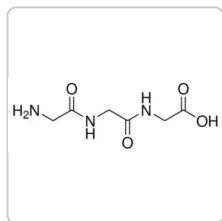
This gelatin coating protocol for cell culture applications offers information regarding types of gelatin, surface coverage concentration, and tips for optimization.

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Sigma-Aldrich

G1377

Gly-Gly-Gly

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Évaluations

[Rédiger une évaluation](#)

Description sommaire de la notation

Sélectionnez une ligne ci-dessous pour filtrer les avis.

5 ★	2
4 ★	0
3 ★	0
2 ★	0
1 ★	0

Notes moyennes des clients

Générale ★★★★★ 5.0

Carla G.

London, U.K.

Avis 3

Votes 0

★★★★★ · il y a 22 jours

GOOD, CHEAP OPTION FOR COATING CULTURE DISHES/PLATES FOR ENDOTHELIAL CELL CULTURE ASSAYS

Good, cheap option for coating culture dishes/plates for endothelial cell culture assays when concerned about them detaching e.g. under lower serum conditions. Be sure to warm it up

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Recommande ce produit Oui

Utile? [Oui • 0](#) [Non • 0](#) [Signaler](#)

1 AVIS AVEC NOTES UNIQUEMENT

★★★★★ 5.0 | [2 avis](#)

Rechercher des questions et des répc



2
avis

0
questions

0
réponses

Questions

[Soyez le premier à poser une question](#)

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