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



**G1890** ▶ **Sigma-Aldrich**

## Gelatin from porcine skin

★★★★★ (0)

powder, gel strength ~300 g Bloom, Type A, BioReagent, suitable for electrophoresis, suitable for cell culture



[Toutes les photos \(3\)](#)

Numéro CAS:

**9000-70-8**

Numéro EC:

**232-554-6**

Numéro MDL:

**MFCD00081638**

NACRES:

NA.75

### Select an Option

Référence

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**61,00 €**



Disponible pour expédition le 10 octobre 2022 - **De**

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### Documents

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[🔍 COO/COA](#)

[📄 Fiche des caractéristiques](#)

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## PRODUITS RECOMMANDÉS



Sigma-Aldrich

**G2500**

**Gelatin from porcine skin**

gel strength 300, Type A

[Consulter le prix et la disponibilité](#)

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## PROPRIÉTÉS

Source biologique

Dans une solution

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[GET YOURS HERE](#)**Stérilité**

sterile

**Type**

Type A

**Gamme de produits**

BioReagent

**Forme**

powder

**Conditionnement**

pkg of 1 kg

pkg of 100 g

pkg of 500 g

**technique(s)**

cell culture | mammalian: suitable

electrophoresis: suitable

**Couverture de la surface**

100-200  $\mu\text{g}/\text{cm}^2$

**Solubilité**

H<sub>2</sub>O: soluble 50 mg/mL, clear to hazy, faintly yellow

**Expédié(e)(s) dans**

ambient

**Temp. de stockage**

room temp

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

**Catégories apparentées**

[Attachment Factors](#)

**DESCRIPTION**

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digestion from the triple helical collagen. It differs from type B bovine gelatin at the N-terminal sequence.

## Application

Gelatin has been used in many applications. It has been used in coating cell culture to improve attachment of cells, being added to PCR to stabilize Taq DNA, as a blocking reagent in western blotting, ELISA, and immunochemistry, and as a component of media for species differentiation in bacteriology. As a biocompatible polymer, it has been used as a delivery vehicle for release of active biomolecules and in generation of scaffolds for tissue engineering applications. In the pharmaceutical industry, gelatin can be used as a suspending and encapsulating agent, among other applications. This product is recommended for use as a cell culture substratum at 1-5  $\mu\text{g}/\text{cm}^2$  or 0.5-50  $\mu\text{g}/\text{mL}$ . The optimal concentration does depend on cell type as well as the application and research objectives.

## Conditionnement

100, 500 g in poly bottle

1 kg in poly bottle

## 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.

## Notes préparatoires

This product is derived from porcine skin. Gelatin is soluble in hot than in cold water. It is practically insoluble in most organic solvents such as alcohol, chloroform, carbon disulfide, carbon tetrachloride, ether, benzene, acetone, and oils. The Bloom number, determined by the Bloom gelometer, is an indication of the strength of a gel formed from a solution of the known concentration. The Bloom number is proportional to the average molecular mass. Bloom numbers of porcine skin Gelatin vary from 90 to 300 g. This product has a gel strength of approximately 300.

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11 - Combustible Solids

**WGK**

nwg

**Flash Point(F)**

Not applicable

**Point d'éclair C**

Not applicable

**Équipement de protection individuelle**

Eyeshields, Gloves, type N95 (US)

## 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)**

Rechercher

**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

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## LES CLIENTS ONT ÉGALEMENT CONSULTÉ



Millipore

**48724**

**Gelatin from porcine skin**

suitable for microbiology, high gel strength

[Consulter le prix et la disponibilité](#)

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## ARTICLES REVUS PAR DES PAIRS

### The effects of GDF-5 and uniaxial strain on mesenchymal stem cells in 3-D culture

Farnig E, et al.

*Clinical Orthopaedics and Related Research*, 466(8), 1930-1937 (2008)

### Thermosensitive chitosan-gelatin-glycerol phosphate hydrogel as a controlled release system of ferulic acid for nucleus pulposus regeneration

Cheng YH, et al.

*Biomaterials*, 32(29), 6953-6961 (2011)

### The Influence Of Intrauterine Pressure On Embryo Retention In A Catheter After Embryo Transfer.

Małgorzata Kozikowska et al.

*Scientific reports*, 9(1), 11969-11969 (2019-08-21)

The retention of the embryo in the transfer catheter after embryo transfer (ET) during in vitro fertilization is a very common phenomenon, encountered by even the most experienced operators, and embryos retained in the transfer catheter or its sleeve require

### In vitro derivation of chondrogenic cells from human embryonic stem cells

*Human Embryonic Stem Cell Protocols*, 77(1), 317-331 (2009)

### A collagen VI-dependent pathogenic mechanism for Hirschsprung's disease.

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deficiency results from incomplete colonization of the bowel

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## PROTOCOLES ET ARTICLES SCIENTIFIQUES

### Articles

#### [Photo-Crosslinkable Gelatin Hydrogel: Versatile Materials for \(High Resolution\) Additive Manufacturing](#)

Discussion of synthetic modifications to gelatin, improving the three-dimensional (3D) print resolution, and resulting material properties.

#### [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.

#### [Three-Dimensional Printing of Tissue Engineering Scaffolds](#)

We will explore the technological advances that have contributed toward the progress of 3DP of tissue engineering scaffolds, current materials used to create 3DP scaffolds, and the challenges that remain.

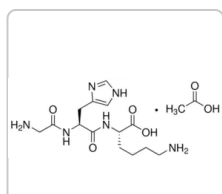
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### Protocoles

#### [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.

## PRODUITS CONSULTÉS RÉCEMMENT



Sigma-Aldrich

**G1887**

**Gly-His-Lys acetate salt**

≥97% (TLC)

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## Évaluations



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## Questions

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

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Notre équipe de scientifiques dispose d'une expérience dans tous les secteurs de la recherche, notamment en sciences de la vie, science des matériaux, synthèse chimique, chromatographie, analyse et dans de nombreux autres domaines..

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