

Insira o nome do produto, número da remessa, número do lote etc.



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G1890 ▶ **Sigma-Aldrich**

# Gelatin from porcine skin

★★★★★ (0) [Write a review](#)

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



Todas as fotos (3)

Feedback

- Número CAS:

9000-70-8
- Número EC:

232-554-6
- Número MDL:

MFCD00081638
- NACRES:

NA.75

## Select an Option

SKU

G1890-100G

100 G

**R\$ 280,00**

 Previsão de entrega em 13 de junho de 2023 - **De**

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1

+

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PRODUTOS RECOMENDADOS



Sigma-Aldrich

**G9391**

Gelatin from bovine skin

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PROPRIEDADES

fonte biológica

Porcine skin

Nível de qualidade

**200**

esterilidade

sterile

tipo

Type A

**linha de produto**

BioReagent

**forma**

powder

**embalagem**

pkg of 1 kg

pkg of 100 g

pkg of 500 g

**technique(s)**

cell culture | mammalian: suitable

electrophoresis: suitable

**cobertura de superfície**100-200 µg/cm<sup>2</sup>**solubilidade**H<sub>2</sub>O: soluble 50 mg/mL, clear to hazy, faintly yellow**enviado em**

ambient

**temperatura de armazenamento**

room temp

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Millipore

**04055**

Gelatin from porcine skin

[Consultar o preço e a disponibilidade](#)**biological source**

Porcine

sterility

non-sterile

form

powder

packaging

-

technique(s)

-

surface coverage

-

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## DESCRIÇÃO

### Descrição geral

Gelatin from porcine skin is generated from the acidic digestion of collagen and is referred as type A. It comprises majorly glycine, proline and hydroxyproline.<sup>[1]</sup> Gelatin takes up random coil structure after digestion from the triple helical collagen.<sup>[2]</sup> It differs from type B bovine gelatin at the N-terminal sequence.<sup>[3]</sup>

### Aplicação

Gelatin has been used in many applications. It has been used in coating cell culture to improve attachment of cells,<sup>[4][5]</sup> 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.<sup>[6]</sup> In the pharmaceutical industry, gelatin can be used as a suspending and encapsulating agent,<sup>[7]</sup> among other applications. This product is recommended for use as a cell culture substratum at 1-5 µg/cm<sup>2</sup> or 0.5-50 µg/mL. The optimal concentration does depend on cell type as well as the application and research objectives.

### Componentes

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.

## Atenção

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.

## Nota de preparo

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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## INFORMAÇÕES DE SEGURANÇA

### Código de classe de armazenamento

11 - Combustible Solids

### WGK

nwg

### Ponto de fulgor (°F)

Not applicable

### Ponto de fulgor (°C)

Not applicable

### Equipamento de proteção individual

Eyeshields, Gloves, type N95 (US)

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## DOCUMENTAÇÃO

### Certificado de análise

[Visualizar amostra COA](#) 

Insira o número de lote para pesquisar o Certificado de análise (COA).

Número do lote

e.g. 023J5431

[Como inserir um número de lote \(COA\)](#)

[Pesquisar](#)

## Certificado de origem

Insira o número de lote para pesquisar o Certificado de origem (COO).

Número do lote

e.g. 023J5431

[Como inserir um número de lote \(COO\)](#)[Pesquisar](#)

## Ficha De Informações Sobre O Produto

[Product Information Sheet - G1890](#)[Product Information Sheet -](#)

## Mais Documentos

[Spectra for FT-IR Raman](#)[SDS](#)

## OS CLIENTES TAMBÉM VISUALIZARAM



Millipore

**48724**

Gelatin from porcine skin

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## ARTIGOS REVISADOS POR PARES

**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)*

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### Identification of the missing pluripotency mediator downstream of leukaemia inhibitory factor.

**Graziano Martello et al.***The EMBO journal, 32(19), 2561-2574 (2013-08-15)*

Self-renewal of pluripotent mouse embryonic stem (ES) cells is sustained by the cytokine leukaemia inhibitory factor (LIF) acting through the transcription factor Stat3. Several targets of Stat3 have previously been identified, most notably the reprogramming factor Klf4. However, such factors

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

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

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### 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

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### 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)*

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### Exibir todos os documentos relacionados

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## PROTOCOLOS E ARTIGOS

### Artigos

#### 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 Three-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.

[Ver tudo >](#)

Protocolos

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.

PRODUTOS VISTOS RECENTEMENTE

NaN<sub>3</sub>

Sigma-Aldrich

1.06688

Sodium azide

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|                                                           |  |              |               |             |
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Questions

[Ask a question](#)

Zeynep Aksoylu · 3 months ago

1  
answer

WHAT IS THE MOLECULAR WEIGHT OF GELATIN FROM PORCINE SKIN, TYPE A?

Technical Support · 2 months ago

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 g. Thus, the average molecular mass would be 50,000-100,000. Please review the Product Information Sheet for further information:

[https://www.sigmaaldrich.com/content/dam/sigma-aldrich/docs/Sigma/Product\\_Information\\_Sheet/g1890pis.pdf](https://www.sigmaaldrich.com/content/dam/sigma-aldrich/docs/Sigma/Product_Information_Sheet/g1890pis.pdf)

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## Reviews



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