

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



Toutes les  
photos (3)

**G9382** ▶ **Sigma-Aldrich**

## Gelatin from bovine skin

★★★★★ (0)

gel strength ~225 g Bloom, Type B

Synonyme(s):  
Bovine gelatin

Numéro CAS: **9000-70-8**

Numéro EC: **232-554-6**

Numéro MDL: **MFCD00081638**

NACRES: NA.26

Documents

↓ **FDS**

🔍 **COO/COA**

📄 **Fiche des  
caractéristiques**

Plus de  
documents »

| Référence  | Conditionnement | Disponibilité                            |                            | Prix     | Quantité                                                      |
|------------|-----------------|------------------------------------------|----------------------------|----------|---------------------------------------------------------------|
| G9382-100G | 100 G           | ✓ Only 5 left in stock (more on the way) | <a href="#">Détails...</a> | 53,80 €  | <input type="text" value="-"/> <input type="text" value="+"/> |
| G9382-500G | 500 G           | ✓ Only 3 left in stock (more on the way) | <a href="#">Détails...</a> | 189,00 € | <input type="text" value="-"/> <input type="text" value="+"/> |
| G9382-1KG  | 1 KG            | ✓ Only 4 left in stock (more on the way) | <a href="#">Détails...</a> | 312,00 € | <input type="text" value="-"/> <input type="text" value="+"/> |

**Demander une commande en gros**

**Ajouter au panier**

# PRODUITS RECOMMANDÉS



Sigma-Aldrich  
**G9391**  
**Gelatin from bovine skin**  
Type B, powder, BioReagent, suitable for cell culture

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Sigma-Aldrich  
**G2500**  
**Gelatin from porcine skin**  
gel strength 300, Type A

Consulter le prix et la disponibilité

## PROPRIÉTÉS

|                   |                                                                                                                  |
|-------------------|------------------------------------------------------------------------------------------------------------------|
| Source biologique | bovine skin                                                                                                      |
| Niveau de qualité | 200                                                                                                              |
| Type              | Type B                                                                                                           |
| Essai/Dosage      | ≥95% protein basis (biuret)                                                                                      |
| Forme             | powder                                                                                                           |
| technique(s)      | ELISA: suitable<br>cell culture   mammalian: suitable<br>immunocytochemistry: suitable<br>western blot: suitable |

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

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## DESCRIPTION

### 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 bovine 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 225.

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## INFORMATIONS SUR LA SÉCURITÉ

### Code de la classe de stockage

11 - Combustible Solids

### WGK

nwg

### Équipement de protection individuelle

Eyeshields, Gloves, type N95 (US)

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## 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

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e.g. 023J5431

Comment saisir un numéro de lot (COO)

Rechercher

## Plus De Documents

Spectra for FT-IR Raman

FDS

## LES CLIENTS ONT ÉGALEMENT CONSULTÉ



Millipore

**48724**

**Gelatin from porcine skin**

suitable for microbiology, high gel strength

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Millipore

**1.04070**

**Gelatine**

suitable for microbiology

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## QUESTIONS FRÉQUEMMENT POSÉES (FAQ)

How does the storage temperature relate to shipping conditions?

The storage conditions that a Sigma-Aldrich catalog and label recommend for products are deliberately conservative. For many products, long-term storage at low temperatures will increase the time during which they are expected to remain in specification and therefore are labeled accordingly. Where short-term storage, shipping time frame, or exposure to conditions other than those recommended for long-term storage will not affect product quality, Sigma-Aldrich will ship at ambient temperature. The products sensitive to short-term exposure to conditions other than their recommended long-term storage are shipped on wet or dry ice. Ambient temperature shipping helps to control shipping costs for our customers. At any time, our customers can request wet- or dry-ice shipment, but the special handling is at customer expense if our product history indicates that the product is stable for regular shipment. See [Shipping and Storage](#) for more information.

### **Which document(s) contains shelf-life or expiration date information for a given product?**

If available for a given product, the recommended re-test date or the expiration date can be found on the Certificate of Analysis.

### **How do I get lot-specific information or a Certificate of Analysis?**

The lot specific COA document can be found by entering the lot number above under the "Documents" section.

### **How do I find price and availability?**

There are several ways to find pricing and availability for our products. Once you log onto our website, you will find the price and availability displayed on the product detail page. You can contact any of our Customer Sales and Service offices to receive a quote. USA customers: 1-800-325-3010 or view [local office numbers](#).

### **What is the Department of Transportation shipping information for this product?**

Transportation information can be found in Section 14 of the product's (M)SDS. To access the shipping information for this material, use the link on the product detail page for the product.

### **What is Product G9382, Gelatin from bovine skin, soluble in?**

Gelatin is soluble in glycerol and acetic acid, and more soluble in hot water than in cold water. We test the solubility of gelatin in water at 50 mg/mL (with heat).

### **What is the difference between type A and type B gelatin?**

Type A gelatin is derived from acid-cured tissue whereas Type B gelatin is derived from lime-cured tissue. Type A gelatin has about 78-80 millimoles of free carboxyl groups per 100 g of protein and a pI of 7.9-9.0. Type B has 100-115 millimoles of free carboxyl groups per 100 g of protein and a pI of 4.7-5.2.

### What is a Bloom number, and how does it correlate with the molecular weight?

The Bloom number is indicative of gel strength. The Bloom number is the amount of pressure, in grams, required to break the surface of a 6.67% gel. The general rule of thumb in regards to an average molecular weight: High Bloom (225-325) = 50,000-100,000; Medium Bloom (175-225) = 40,000-50,000; Low Bloom (50-125) = 20,000-25,000. Product G9382 is a high Bloom preparation of approximately 225 Bloom.

### What is the isoelectric point (pI) for Product G9382, Gelatin from bovine skin?

The pI for Product No. G9382 is typically in the range of 4.7 - 5.0.

### My question is not addressed here, how can I contact Technical Service for assistance?

Ask a Scientist [here](#).

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## ARTICLES REVUS PAR DES PAIRS

### Flowers of *Clerodendrum volubile* exacerbate immunomodulation by suppressing phagocytic oxidative burst and modulation of COX-2 activity.

**Ochuko L Erukainure et al.**

*Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie*, 83, 1478-1484 (2016-10-25)

The immunomodulatory potentials of the crude methanolic extract and fractions [n-hexane (Hex), n-dichloromethane (DCM), ethyl acetate (EtOAc) and n-butanol (BuOH)] of *Clerodendrum volubile* flowers were investigated on whole blood phagocytic oxidative burst using luminol-amplified chemiluminescence technique. They were also investigated

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### Expression and activation of pro-MMP-2 and pro-MMP-9 during rat liver regeneration.

**T H Kim et al.**

*Hepatology (Baltimore, Md.)*, 31(1), 75-82 (1999-12-29)

Partial hepatectomy triggers a variety of biological phenomena, which culminate in regeneration of the liver mass. Hepatocyte proliferation is a major feature of the regenerating liver after partial hepatectomy. Previous studies in our laboratory suggested that hepatic matrix remodeling might

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## Enhancing Mechanical Properties and Biological Performances of Injectable Bioactive Glass by Gelatin and Chitosan for Bone Small Defect Repair.

Mehri Sohrabi et al.

*Biomedicines*, 8(12) (2020-12-19)

Bioactive glass (BG) represents a promising biomaterial for bone healing; here injectable BG pastes biological properties were improved by the addition of gelatin or chitosan, as well as mechanical resistance was enhanced by adding 10 or 20 wt% 3-Glycidyloxypropyl trimethoxysilane

## Mobilization of capillary endothelium in vitro induced by effectors of angiogenesis in vivo.

G Alessandri et al.

*Cancer research*, 43(4), 1790-1797 (1983-04-01)

An assay to measure endothelial cell mobilization on a gelatin substratum has been developed. Utilization of the gelatin-agarose and Boyden chamber assays established that: (a) fragments or extracts of corneas treated with several effectors of angiogenesis in vivo acquired the

## Long-chain fatty acid-induced changes in gene expression in neonatal cardiac myocytes.

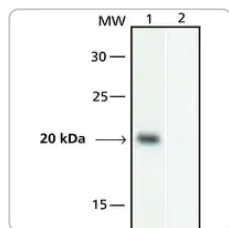
K A van der Lee et al.

*Journal of lipid research*, 41(1), 41-47 (2000-01-11)

Long-chain fatty acids are the most important substrates for the heart. In addition, they have been shown to affect signalling pathways and gene expression. To explore the effects of long-chain fatty acids on cardiac gene expression, neonatal rat ventricular myocytes

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## PRODUITS CONSULTÉS RÉCEMMENT

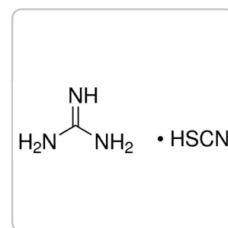


Sigma-Aldrich

**G9293**

**Anti-GAL4, Activation domain antibody produced in rabbit**

~1.0 mg/mL, affinity isolated antibody, buffered aqueous solution



Sigma-Aldrich

**G9277**

**Guanidine thiocyanate**

for molecular biology, ≥99%



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## Évaluations



[Soyez le premier à donner votre avis sur ce produit](#)

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## Questions

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

## SERVICE TECHNIQUE

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..

[Contacter notre Service technique](#)

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