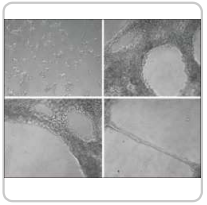


Toutes les photos (1)

Documents

FDS

COO/COA

Fiche des caractéristiques

Plus de documents

**E1270** Sigma-Aldrich.

# ECM Gel from Engelbreth-Holm-Swarm murine sarcoma

★★★★★ 5.0 (1)

liquid, BioReagent, suitable for cell culture

**Synonyme(s):**
Basement membrane extract (BME), EHS matrix

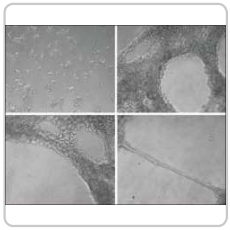
**Numéro MDL:** MFCD00283131 **NACRES:** NA.75

| Référence | Conditionnement | Disponibilité | Prix | Quantité |
|---|---|---|---|---|
| E1270-1ML | 1 ML | Only 2 left in stock (more on the way) Détails... | 177,00 € | − + |
| E1270-5ML | 5 ML | Date d'expédition estimée le 24 octobre 2022 | 508,00 € | − + |
| E1270-10ML | 10 ML | Date d'expédition estimée le 24 octobre 2022 | 867,00 € | − + |
| E1270-5X10ML | 5 X 10 ML | Date d'expédition estimée le 03 novembre 2022 | 2 120,00 € | − + |

Demander une commande en gros

Ajouter au panier

## PRODUITS RECOMMANDÉS



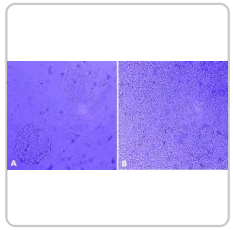
Sigma-Aldrich

**E6909**

**ECM Gel from Engelbreth-Holm-Swarm murine sarcoma**

growth-factor reduced, without phenol red, liquid, BioReagent, suitable for cell culture

Consulter le prix et la disponibilité



Sigma-Aldrich

**E0282**

**MaxGel™ ECM**

mixture, liquid

Consulter le prix et la disponibilité

## PROPRIÉTÉS

| | |
|---|---|
| **Gamme de produits** | BioReagent |
| **Niveau de qualité** | 300 |
| **Forme** | liquid |
| **Concentration** | 8-12 mg/mL |
| **technique(s)** | cell culture \| mammalian: suitable |
| **N° d'accession UniProt** | **P02468**<br>**P02469**<br>**P10493**<br>**P19137** |

| | |
|---|---|
| | P43407<br>Q61001<br>Q61092<br>Q61789 |
| Expédié(e)(s) dans | dry ice |
| Temp. de stockage | −20°C |
| Gene Information | mouse ... Lama1(16772) , Lama3(16774) , Lama5(16776) , Lamb1-1(16777) , Lamc1(226519) , Lamc2(16782) , Nid1(18073) , Sdc2(15529) |

### Catégories apparentées

Hydrogels

## DESCRIPTION

### Application

ECM gel can used with epithelial cells, endothelial cells, muscle cells, nerve cells and tumor cells.

### Actions biochimiques/physiologiques

The ECM gel will undergo thermally activated polymerization when brought to 20-40°C, forming a reconstituted basement membrane. PC12 cells will show neurite formation within 2 days when they are grown on a thin layer of this ECM gel.

### Composants

ECM was prepared to a protein concentration of 8-12 mg/mL (in DMEM), containing laminin as a major component, collagen type IV, heparin sulfate proteoglycan, entactin, and other minor components. Addition of collagen type IV to the ECM gel increases polymerization.

Product contains 50 mg/L Gentamicin Sulfate.

### Attention

For long term storage, keep product at -20°C. The ECM gel may be stored at 2-8°C for up to 72 hours.

### Notes préparatoires

This product is prepared from Engelbreth-Holm-Swarm sarcoma in mice; dialyzed against chloroform. Gel should be thawed overnight at 2-8°C before use and dispensed to a multiwall plate using a plate and pipettes that are pre-cooled to 2-8°C. The gel may also be diluted up to twofold with 2-8°C Dulbecco's Modified Eagle's Medium, and should be done before gel is added to the plate. The product will gel within 5 minutes at 20°C. For prolonged manipulations, work should be conducted below 10°C. Cells can be plated on top of a thin gel layer of 0.5 mm or cultured inside a 1 mm layer. If you culture cells inside, add the cells to the gel prior to plating at a recommended density of 3-4 x $10^4$ cells per mL. To dissociate cells from this gel, use protease in PBS without calcium, magnesium, or EDTA, at a concentration of 0.6-2.4 units per mL.

## PRODUITS APPARENTÉS

### Souvent Commandé Avec Ce Produit

**890890P**

18:1 TAP (DOTAP), Avanti Polar Lipids 890890P, powder

View Pricing

## INFORMATIONS SUR LA SÉCURITÉ

| Code de la classe de stockage | WGK | Flash Point(F) | Point d'éclair C |
|---|---|---|---|
| 12 - Non Combustible Liquids | WGK 3 | Not applicable | 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)**

**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

## Fiches Techniques

Data Sheet - E1270

FDS

## LES CLIENTS ONT ÉGALEMENT CONSULTÉ

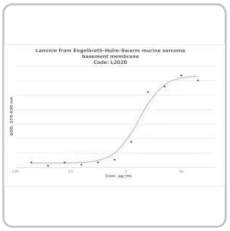
Sigma-Aldrich

**66540022**

**BIONi010-A**

Human iPS Cell Line

Consulter le prix et la disponibilité



Sigma-Aldrich

**L2020**

**Laminin from Engelbreth-Holm-Swarm murine sarcoma basement membrane**

1-2 mg/mL in Tris-buffered saline, 0.2 µm filtered, BioReagent, suitable for cell culture

Consulter le prix et la disponibilité

## QUESTIONS FRÉQUEMMENT POSÉES (FAQ)

### 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.

### The data sheet for Product E1270, ECM Gel from Engelbreth-Holm-Swarm murine sarcoma, says that it may be diluted up to twofold. What does that mean?

ECM gel can be diluted twofold with cold Dulbecco's Modified Eagle's Medium (DME). This means 1 part ECM gel and 1 part DME.

### Are ECM Gels, Products E1270 and E6909, the same as Matrigel (from BD)?

Product No. E1270, ECM gel is the equivalent of Matrigel from BD only produced by Sigma-Aldrich.

### Are Products E1270 and E6909, ECM Gel from Engelbreth-Holm-Swarm murine sarcoma, growth factor reduced like Matrigel (from BD)?

Product No. E1270 is not growth factor reduced. Product No. E6909 is ECM gel, growth factor reduced.

### Do Products E1270 and E6909, ECM Gel from Engelbreth-Holm-Swarm murine sarcoma, contain phenol red?

Product E1270 ECM gel does contain phenol-red from the Dulbecco's modified Eagle's medium component of the product. Product No. E6909, ECM gel, growth factor reduced, is phenol red free.

### What is the calcium concentration in Products E1270, ECM Gel from Engelbreth-Holm-Swarm murine sarcoma?

The approximate concentration of CaCl2 in the ECM solution is 0.265 mg/mL.

### How can I retrieve my cells from Product E1270, ECM Gel from Engelbreth-Holm-Swarm murine sarcoma?

Dispase (Product No. D4818) is a Bacillus-derived neutral protease that is recommended for recovering cells cultured on ECM (Product No. E1270) or Matrigel. Dispase will yield a single cell suspension far more effectively than trypsin, collagenase, or other proteolytic enzymes. Dispase is gentle and will not damage cells harvested for sub-cultivation or other study.

### 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.

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

Ask a Scientist **here**.

## ARTICLES REVUS PAR DES PAIRS

### Interleukin-27 inhibits malignant behaviors of pancreatic cancer cells by targeting M2 polarized tumor associated macrophages.

**Lutian Yao et al.**
*Cytokine, 89, 194-200 (2016-02-13)*

Pancreatic cancer is characterized as inflammatory malignancy with a dismal prognosis. There is abundant intratumoral infiltration of macrophages, and most of these tumor associated macrophages (TAM) are induced to be M2 phenotype. The M2 polarized TAM has been demonstrated to

### Blood flow-restricted resistance exercise alters the surface profile, miRNA cargo and functional impact of circulating extracellular vesicles.

**Jesper Just et al.**
*Scientific reports, 10(1), 5835-5835 (2020-04-05)*

Ischemic exercise conducted as low-load blood flow restricted resistance exercise (BFRE) can lead to muscle remodelling and promote muscle growth, possibly through activation of muscle precursor cells. Cell activation can be triggered by blood borne extracellular vesicles (EVs) as these

### Antioxidant, Physicochemical, and Cellular Secretion of Glucagon-Like Peptide-1 Properties of Oat Bran Protein Hydrolysates.

**Mallory E Walters et al.**
*Antioxidants (Basel, Switzerland), 9(6) (2020-07-02)*

The aim of this work was to determine the physicochemical and biological activities of hydrolyzed proteins from sonicated oat brans. In addition to the control bran sample, two types of pre-treatment procedures-namely, ultrasonic bath and probe-type sonication-were performed to extract

### Cyclin-dependent kinase 5 controls vasculogenic mimicry formation in non-small cell lung cancer via the FAK-AKT signaling pathway.

**Xiaoshu Zhou et al.**
*Biochemical and biophysical research communications, 492(3), 447-452 (2017-08-27)*

Vasculogenic mimicry (VM), an endothelial-independent tumor vascularization phenomenon representing functional tumor plasticity, might be the culprit behind the poor clinical outcome in classic antiangiogenesis treatment. However, the mechanism underlying VM needs to be elucidated. Cyclin-dependent kinase 5 (CDK5) has been

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### The Oncolytic Adenovirus XVir-N-31 as a Novel Therapy in Muscle-Invasive Bladder Cancer.

**Eva Lichtenegger et al.**
*Human gene therapy, 30(1), 44-56 (2018-06-20)*

Muscle-invasive bladder cancer represents approximately 25% of diagnosed bladder cancer cases and carries a significant risk of death. Oncolytic viruses are novel antitumor agents with the ability to selectively replicate and lyse tumor cells while sparing healthy tissue. We explored

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### Afficher tous les articles scientifiques apparentés

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## PROTOCOLES ET ARTICLES SCIENTIFIQUES

## Articles

### ECM Gel Matrix: Protocols Using EHS Basement Membrane Extracts

Cell culture protocols using ECM Gel Matrix EHS basement membrane extract (BME) for neurite outgrowth, cell invasion and angiogenesis tube formation assays.

### Angiogenesis Assays

Cell based angiogenesis assays to analyze new blood vessel formation for applications of cancer research, tissue regeneration and vascular biology.

### Controlled Fabrication Methods for Tissue Engineering Constructs

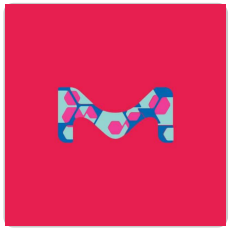
Highlighting existing and novel fabrication methods for both, solid and hydrogel-based scaffold for tissue engineering applications.

## Attachment Factors for 3-Dimensional Cell Culture

Attachment Factors for 3-Dimensional Cell Culture

Afficher tout >

## PRODUITS CONSULTÉS RÉCEMMENT



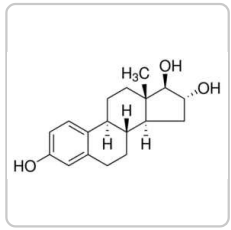
Sigma-Aldrich

**E1257**

**Epidermal Growth Factor from murine submaxillary gland**

lyophilized powder, BioReagent, suitable for cell culture

Consulter le prix et la disponibilité




Sigma-Aldrich

**E1253**

**Estriol**

≥97%

Consulter le prix et la disponibilité

# Évaluations

Rédiger une évaluation

Description sommaire de la notation

Sélectionnez une ligne ci-dessous pour filtrer les avis.

| | |
|---|---|
| 5 ★ | 1 |
| 4 ★ | 0 |
| 3 ★ | 0 |
| 2 ★ | 0 |
| 1 ★ | 0 |

Notes moyennes des clients

Générale ★★★★★ 5.0

## 1 AVIS AVEC NOTES UNIQUEMENT

★★★★★ 5.0 | 1 avis

Rechercher des questions et des réponses

| 1 avis | 0 questions | 0 réponses |
|---|---|---|

# 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

Le contenu de cette page vous a-t-il été utile ?*

Que pouvons-nous faire pour améliorer cette page spécifique de notre site Internet ?

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