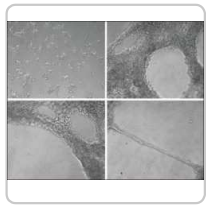

Toutes les photos (1)

Documents

FDS

COO/COA

Fiche des caractéristiques

Plus de documents »

E6909 ▶ Sigma-Aldrich®

ECM Gel from Engelbreth-Holm-Swarm murine sarcoma

★★★★★ (0)

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

Synonyme(s):
GFR Basement Membrane Extract (BME)

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

Référence	Conditionnement	Disponibilité		Prix	Quantité
E6909-5ML	5 ML	Date d'expédition estimée le 10 octobre 2022	Détails...	351,00 €	− +
E6909-10ML	10 ML	Only 1 left in stock (more on the way)	Détails...	601,00 €	− +

Demander une commande en gros

Ajouter au panier

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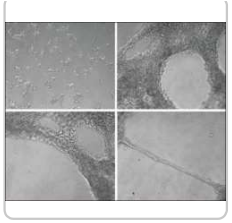
PRODUITS RECOMMANDÉS



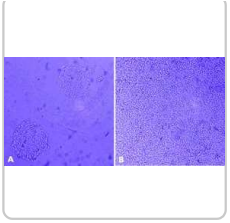
Sigma-Aldrich

E1270

ECM Gel from Engelbreth-Holm-Swarm murine sarcoma

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

Niveau de qualité	200
Gamme de produits	BioReagent
Forme	liquid
Concentration	7-9 mg/mL
technique(s)	cell culture | mammalian: suitable
N° d'accession UniProt	**P02468** **P02469** **P10493** **P19137** **P43407** **Q05793** **Q61001** **Q61092** **Q61789**

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Expédié(e)(s) dans	dry ice
Temp. de stockage	−20°C
Gene Information	mouse ... **Hspg2(15530)** , **Lama1(16772)** , **Lama3(16774)** , **Lama5(16776)** , **Lamb1-1(16777)** , **Lamc1(226519)** , **Lamc2(16782)** , **Nid1(18073)** , **Sdc2(15529)**

Vous recherchez des produits similaires ? Visit **Guide de comparaison des produits**

Catégories apparentées

Hydrogels

DESCRIPTION

Application

ECM Gel from Engelbreth-Holm-Swarm murine sarcoma has been used to coat tissue culture plates for different glioma subtypes and C2C12 muscle cells. It has also been used as a scaffold to increase myotube attachment, maturation and survival.

ECM gel can be 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.

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Composants

ECM was prepared to a protein concentration of 8-12 mg/mL, 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.
The growth factor reduction modification allows for more control of medium, better interpretation of results and increased polymerization. The medium also lacks phenol red, which can interfere with some analyses.

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 contain precipitates which do not influence its activity. 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.

INFORMATIONS SUR LA SÉCURITÉ

Code de la classe de stockage	WGK	Flash Point(F)	Point d'éclair C
10 - Combustible liquids	WGK 3	Not applicable	Not applicable

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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

e.g. 023J5431

Comment saisir un numéro de lot (COO)

Rechercher

Fiche D'informations Produit

Product Information Sheet - E6909

FDS

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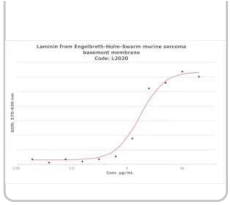
LES CLIENTS ONT ÉGALEMENT CONSULTÉ



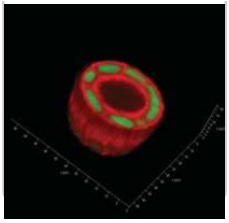
Sigma-Aldrich

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



Sigma-Aldrich

TRUE1

TrueGel3D Hydrogel Kits

CD cell-degradable crosslinker and RGD peptide

Consulter le prix et la disponibilité

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.

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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.

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

Immunohistochemical Characterization and Sensitivity to Human Adenovirus Serotypes 3, 5, and 11p of New Cell Lines Derived from Human Diffuse Grade II to IV Gliomas

Niittykoski M, et al.
Translational Oncology, 10(5), 772-779 (2017)

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Vertebral-specific activation of the CX3CL1/ICAM-1 signaling network mediates non-small-cell lung cancer spinal metastasis by engaging tumor cell-vertebral bone marrow endothelial cell interactions.

Ketao Wang et al.
Theranostics, 11(10), 4770-4789 (2021-03-24)

Rationale: The spine is one of the most common metastatic sites of non-small cell lung cancer (NSCLC), and NSCLC spinal metastasis results in serious consequences. Metastatic extravasation of disseminated cancer cells including increased invasiveness, adhesion and transendothelial migration is crucial

Structural Basis for Binding of Fluorescent CMP-Neu5Ac Mimetics to Enzymes of the Human ST8Sia Family.

Gesa Volkers et al.
ACS chemical biology, 13(8), 2320-2328 (2018-07-18)

Polysialyltransferases synthesize polysialic acid on cell surface-expressed glycoconjugates, which is crucial for developing processes and signaling pathways in eukaryotes. Recent advances in cancer research have rendered polysialyltransferases important drug targets because polysialic acid contributes to cancer cell progression, metastasis, and

Nexilin Is Necessary for Maintaining the Transverse-Axial Tubular System in Adult Cardiomyocytes.

Simone Spinozzi et al.
Circulation. Heart failure, 13(7), e006935-e006935 (2020-07-09)

NEXN (nexilin) is a protein of the junctional membrane complex required for development of cardiac T-tubules. Global and cardiomyocyte-specific loss of Nexn in mice leads to a rapidly progressive dilated cardiomyopathy and premature death. Therefore, little is known as to

Nox2 contributes to age-related oxidative damage to neurons and the cerebral vasculature.

Lampson M Fan et al.
The Journal of clinical investigation, 129(8), 3374-3386 (2019-07-23)

Oxidative stress plays an important role in aging-related neurodegeneration. This study used littermates of WT and Nox2-knockout (Nox2KO) mice plus endothelial cell-specific human Nox2 overexpression-transgenic (HuNox2Tg) mice to investigate Nox2-derived ROS in brain aging. Compared with young WT mice (3-4

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

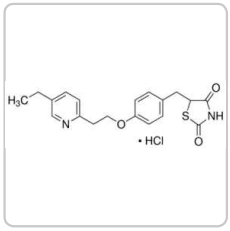
Highlighting existing and novel fabrication methods for both, solid and hydrogel-based scaffold for tissue engineering applications.

Attachment Factors for 3-Dimensional Cell Culture

Attachment Factors for 3-Dimensional Cell Culture

Afficher tout >

PRODUITS CONSULTÉS RÉCEMMENT



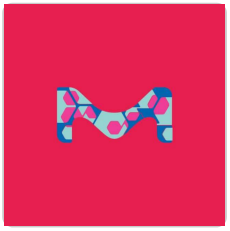
Sigma-Aldrich

E6910

Pioglitazone hydrochloride

≥98% (HPLC)

Consulter le prix et la disponibilité



Sigma-Aldrich

E6507

β-Estradiol 6-(O-carboxymethyl)oxime: BSA fluorescein isothiocyanate conjugate

Consulter le prix et la disponibilité

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Évaluations

★★★★★

Soyez le premier à donner votre avis sur ce produit

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..

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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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