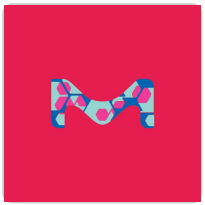


Toutes les photos (1)

5006 ▶ Sigma-Aldrich

PureCol™

(0)

protein from bovine hide, suitable for cell culture

Numéro EC: 232-697-4 NACRES: NA.75

Documents

FDS

COO/COA

Fiche des caractéristiques

Référence	Conditionnement	Disponibilité		Prix	Quantité
5006-15MG	15 MG	Only 3 left in stock (more on the way)	Détails...	306,00 €	− +

Demander une commande en gros

Ajouter au panier

PRODUITS RECOMMANDÉS

Sigma-Aldrich

CC300

PureCol™-S, Collagen Standard Solution

Ready-to-use ultrapure collagen type I protein for cell culture applications (20 mL).

Sigma-Aldrich

5074

PureCol™ EZ Gel solution

Consulter le prix et la disponibilité

Consulter le prix et la disponibilité

PROPRIÉTÉS

Source biologique	protein from bovine hide
Niveau de qualité	100
Stérilité	sterile-filtered
Essai/Dosage	99.9%
Forme	lyophilized
Conditionnement	pkg of 15 mg
technique(s)	cell culture | mammalian: suitable
Expédié(e)(s) dans	wet ice
Temp. de stockage	−20°C

Catégories apparentées

Attachment Factors

DESCRIPTION

Description générale

PureCol™ collagen is approximately 97% Type I with the remainder being comprised of Type III collagen. It is soluble atelo-collagen. It contains high monomer content as measured by gel permeation chromatography.

It is ideal for coating of surfaces and providing preparations of thin layers for culturing cells. PureCol™, lyophilized form is not recommended for the formation of a solid gel. PureCol™ collagen is provided in user-friendly packaging for use and storage. This product is supplied as a sterile lyophilized powder.

Application

PureCol™ has been used:

- in collagen gel preparation for the 3D sprouting assay with human umbilical vein endothelial cells (HUVEC) spheroids
- to coat Costar® Transwell® Inserts plates before cell migration assays with bladder smooth muscle cells (BMSC)
- to coat culture plates for collagen degradation assay with breast cancer cell lines

Notes préparatoires

This product is supplied as a lyophilized powder with 15 mg of bovine collagen. When reconstituted with 5 ml of sterile 0.01 N HCl, a concentration of approximately 3 mg/ml is achieved.

Informations légales

Costar is a registered trademark of Corning, Inc.

PureCol is a trademark of Advanced BioMatrix, Inc.

Transwell is a registered trademark of Corning, Inc.

INFORMATIONS SUR LA SÉCURITÉ

Code de la classe de stockage	WGK	Flash Point(F)	Point d'éclair C
11 - Combustible Solids	WGK 1	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

LES CLIENTS ONT ÉGALEMENT CONSULTÉ

Sigma-Aldrich

5142

CytoSoft®

Elastic Moduli 8 kPa

Consulter le prix et la disponibilité

Sigma-Aldrich

5145

CytoSoft®

Elastic Moduli 64 kPa

Consulter le prix et la disponibilité

ARTICLES REVUS PAR DES PAIRS

The GAG-specific branched peptide NT4 reduces angiogenesis and invasiveness of tumor cells.

Luisa Bracci et al.
PloS one, 13(3), e0194744-e0194744 (2018-03-23)

Heparan sulfate proteoglycans, HSPGs, modulate major transformations of cancer cells, leading to tumor growth, invasion and metastasis. HSPGs also regulate neo-angiogenesis which prompts cancer progression and metastatic spread. A different aspect of heparin and analogs is their prominent role in

Anti-angiogenic effects of crenolanib are mediated by mitotic modulation independently of PDGFR expression.

Robert H Berndsen et al.
British journal of cancer, 121(2), 139-149 (2019-06-27)

Crenolanib is a tyrosine kinase inhibitor targeting PDGFR-α, PDGFR-β and Fms related tyrosine kinase-3 (FLT3) that is currently evaluated in several clinical trials. Although platelet-derived growth factor receptor (PDGFR) signalling pathway is believed to play an important role in

angiogenesis

Sensing of endogenous nucleic acids by ZBP1 induces keratinocyte necroptosis and skin inflammation.

Michael Devos et al.
The Journal of experimental medicine, 217(7) (2020-04-22)

Aberrant detection of endogenous nucleic acids by the immune system can cause inflammatory disease. The scaffold function of the signaling kinase RIPK1 limits spontaneous activation of the nucleic acid sensor ZBP1. Consequently, loss of RIPK1 in keratinocytes induces ZBP1-dependent necroptosis

Generating elastin-rich small intestinal submucosa-based smooth muscle constructs utilizing exogenous growth factors and cyclic mechanical stimulation.

Rebecca Long Heise et al.
Tissue engineering. Part A, 15(12), 3951-3960 (2009-07-03)

Successful approaches to tissue engineering smooth muscle tissues utilize biodegradable scaffolds seeded with autologous cells. One common problem in using biological scaffolds specifically is the difficulty of inducing cellular penetration and controlling de novo extracellular matrix deposition/remodeling in vitro. Our

PROTOCOLES ET ARTICLES SCIENTIFIQUES

Articles

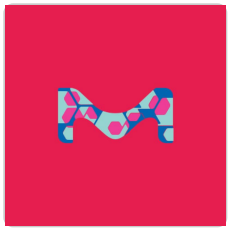
3D Cell Culture Tools and Techniques

3D cell culture overview. Learn about 2D vs 3D cell culture, advantages of 3D cell culture, and techniques available to develop 3D cell models

Extracellular Matrix Proteins and Tools for Cell Culture Optimization

Extracellular matrix proteins such as laminin, collagen, and fibronectin can be used as cell attachment substrates in cell culture.

PRODUITS CONSULTÉS RÉCEMMENT

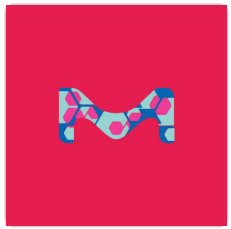


Sigma-Aldrich

5.00491

MALT1 Inhibitor I, MI-2 - Calbiochem

Consulter le prix et la disponibilité



Sigma-Aldrich

5.00554

mTOR Activator, MHY1485 - Calbiochem

mTOR Activator, MHY1485, CAS Number: 326914-06-1, is a cell-permeable activator of mTOR that inhibits...

Consulter le prix et la disponibilité

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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