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P4832  **Sigma-Aldrich.**

Poly-L-lysine solution

★★★★★ 5.0 (1)

mol wt 150,000-300,000, 0.01%, sterile-filtered, BioReagent, suitable for cell culture

Synonyme(s):
PLL Solution

Numéro CAS: **25988-63-0**

eCl@ss: 32160406

Numéro MDL: **MFCD00165424**

NACRES: NA.75

Référence	Conditionnement	Disponibilité	Prix	Quantité
P4832-50ML	50 ML	 Disponible pour expédition le 10 octobre 2022	Détails... 192,00 €	  

[Demander une commande en gros](#)

[Ajouter au panier](#)

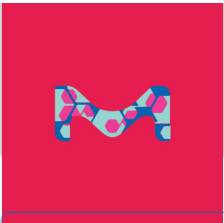
PRODUITS RECOMMANDÉS



Sigma-Aldrich



Sigma-Aldrich



P4707

Poly-L-lysine solution

0.01%, sterile-filtered, BioReagent, suitable for cell culture

[Consulter le prix et la disponibilité](#)



P8920

Poly-L-lysine solution

0.1 % (w/v) in H₂O

[Consulter le prix et la disponibilité](#)



PROPRIÉTÉS

Stérilité	sterile-filtered
Niveau de qualité	200
Gamme de produits	BioReagent
Forme	solution
Poids mol.	150,000-300,000
Conditionnement	pkg of 50 mL
Concentration	0.01%
technique(s)	cell culture mammalian: suitable
Impuretés	endotoxin, tested
Solubilité	water: soluble

Expédié(e)s dans	ambient
Temp. de stockage	2-8°C
InChI	1S/C18H38N6O4/c19-10-4-1-7-13(22)16(25)23-14(8-2-5-11-20)17(26)24-15(18(27)28)9-3-6-12-21/h13-15H,1-12,19-22H2,(H,23,25)(H,24,26)(H,27,28)/t13-,14-,15-/m0/s1
InChI key	WBSCNDJQPKSPII-KKUMJFAQSA-N

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

Catégories apparentées

[Attachment Factors](#)

DESCRIPTION

Application

Poly-L-lysine polymers can be used in promoting cell adhesion to solid substrates, conjugation to methotrexate for increased drug transport, microencapsulation of islets, cell microencapsulation technology, microarray glass slide coating, and chromosomal preparations. Lower molecular weight poly-L-lysine (30,000-70,000) is less viscous in solution, but higher molecular weight versions provide more attachment sites per molecule.

Actions biochimiques/physiologiques

Poly-L-lysine is a nonspecific attachment factor for cells useful in promoting cell adhesion to solid substrates by enhancing electrostatic interaction between negatively charged ions of the cell membrane and the culture surface. When it is absorbed to the cell culture surface, poly-L-lysine functions to increase the number of positively charged sites available for cell binding. With cells that can digest poly-L-lysine, poly-D-lysine should be used as the attachment factor.

Composants

Poly-L-lysine is a positively charged amino acid polymer with approximately one HBr per lysine residue. The hydrobromide allows the poly-L-lysine to be in a crystalline form soluble in water. A small amount of product may be found in the beta structure because the HBr interferes with hydrogen bonding between amino and either the carboxyl groups or N or O containing moieties.

Notes préparatoires

This product is supplied as a 0.01% sterile filtered solution in water, using a molecular weight of 150 - 300 kDa. Coating slides with this solution should be followed with a 5 minute incubation and drying the slides at room temperature. Coated slides will be stable for one year if protected from dust.

PRODUITS APPARENTÉS

Produit Apparenté

08168

Timestrip Plus™ 8 °C

[View Pricing](#)

Produit Comparable

P6407

Poly-D-lysine hydrobromide, mol wt 70,000-150,000, lyophilized powder, γ-irradiated, BioReagent, suitable for cell culture

[View Pricing](#)

P7280

Poly-D-lysine hydrobromide, average mol wt 30,000-70,000, lyophilized powder, γ -irradiated, BioReagent, suitable for cell culture

[View Pricing](#)**P4707**

Poly-L-lysine solution, 0.01%, sterile-filtered, BioReagent, suitable for cell culture

[View Pricing](#)

INFORMATIONS SUR LA SÉCURITÉ

**Code de la classe de
stockage**

12 - Non Combustible Liquids

WGK

WGK 2

Flash Point(F)

Not applicable

Point d'éclair C

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 \(COO\)](#)

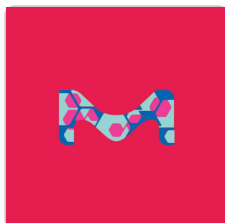
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[Spectra for FT-IR Raman](#)

[FDS](#)

LES CLIENTS ONT ÉGALEMENT CONSULTÉ

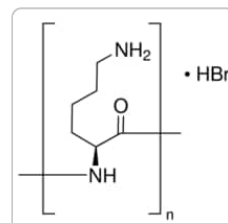


Sigma-Aldrich

A-003-M

Poly-D-Lysine solution, 1.0 mg/mL

The Poly-D-Lysine solution promotes the adhesion of tissues/sections to the culture vessel.

[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

P2636

Poly-L-lysine hydrobromide

mol wt 30,000-70,000

[Consulter le prix et la disponibilité](#)

ARTICLES REVUS PAR DES PAIRS

Therapeutic ACPA inhibits NET formation: a potential therapy for neutrophil-mediated inflammatory diseases.

Renato G S Chirivi et al.

Cellular & molecular immunology, 18(6), 1528-1544 (2020-03-24)

Excessive release of neutrophil extracellular traps (NETs) is associated with disease severity and contributes to tissue injury, followed by severe organ damage. Pharmacological or genetic inhibition of NET release reduces pathology in multiple inflammatory disease models, indicating that NETs are

Transferrin Receptor Is a Specific Ferroptosis Marker.

Huizhong Feng et al.

Cell reports, 30(10), 3411-3423 (2020-03-12)

Ferroptosis is a type of regulated cell death driven by the iron-dependent accumulation of oxidized polyunsaturated fatty acid-containing phospholipids. There is no reliable way to selectively stain ferroptotic cells in tissue sections to characterize the extent of ferroptosis in animal

Functional role of the type 1 pilus rod structure in mediating host-pathogen interactions.

Caitlin N Spaulding et al.

eLife, 7 (2018-01-19)

Uropathogenic *E. coli* (UPEC), which cause urinary tract infections (UTI), utilize type 1 pili, a chaperone usher pathway (CUP) pilus, to cause UTI and colonize the gut. The pilus rod, comprised of repeating FimA subunits, provides a structural scaffold for

Lack of a-disintegrin-and-metalloproteinase ADAM10 leads to intracellular accumulation and loss of shedding of the cellular prion protein in vivo.

Hermann C Altmeyen et al.

Molecular neurodegeneration, 6, 36-36 (2011-05-31)

The cellular prion protein (PrP^C) fulfils several yet not completely understood physiological functions. Apart from these functions, it has the ability to misfold into a pathogenic scrapie form (PrP^{Sc}) leading to fatal transmissible spongiform encephalopathies. Proteolytic processing of PrP^C generates

UNC-129 regulates the balance between UNC-40 dependent and independent UNC-5 signaling pathways.

Lesley T MacNeil et al.

Nature neuroscience, 12(2), 150-155 (2009-01-27)

The UNC-5 receptor mediates axon repulsion from UNC-6/netrin through UNC-40 dependent (UNC-5 + UNC-40) and independent (UNC-5 alone) signaling pathways. It has been shown that UNC-40-dependent signaling is required for long-range repulsion of UNC-6/netrin; however, the mechanisms used to regulate

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PROTOCOLES ET ARTICLES SCIENTIFIQUES

Articles

[Poly-lysine | Poly-D-Lysine | Poly-L-Lysine](#)

Poly-Lysine enhances electrostatic interaction between negatively-charged ions of the cell membrane and positively-charged surface ions of attachment factors on the culture surface. When adsorbed to the culture surface, it increases the number of positively-charged sites available for...

[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

[Cancer Stem Cells: Targets for Cancer Therapy](#)

Cancer stem cell media, spheroid plates and cancer stem cell markers to culture and characterize CSC populations.

[Extracellular Matrix Proteins and Tools for Cell Culture Optimization](#)

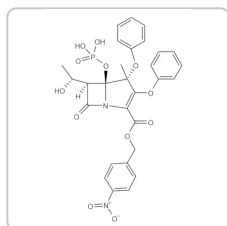
Extracellular matrix proteins such as laminin, collagen, and fibronectin can be used as cell attachment substrates in cell culture.

Protocoles

[Poly-L-Lysine Cell Attachment Protocol](#)

Adhere cells to solid substrates using poly-lysine, which enhances electrostatic interaction between negatively charged ions of the cell membrane and the culture surface.

PRODUITS CONSULTÉS RÉCEMMENT



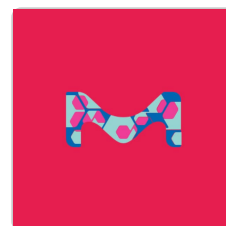
Sigma-Aldrich

P4850

Proteinase K from *Tritirachium album*

buffered aqueous glycerol solution, for molecular biology, ≥800 units/mL

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

P4860

Protease from *Bacillus licheniformis*

≥2.4 U/g

[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

Sagar

★★★★★ · il y a 9 mois

Gaikwad

IT WORKS FLAWLESSLY EACH TIME.

Avis 1

It is highly useful for the cell culture of primary cells like brain cells.

Votes 2

[Traduire avec Google](#)

Recommande ce produit ✓ Oui

Utile? [Oui · 2](#) [Non · 0](#) [Signaler](#)★★★★★ 5.0 | [1 avis](#)**1**
[avis](#)**0**
[questions](#)**0**
[réponses](#)

Questions

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