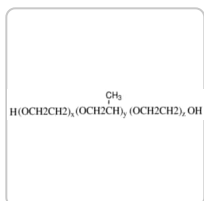


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Documents

[FDS](#)

[COO/COA](#)

[Fiche des caractéristiques](#)

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P2443 ▶ **Sigma-Aldrich.**

Pluronic® F-127

★★★★★ (0)

powder, BioReagent, suitable for cell culture

Synonyme(s):

Non-ionic copolymer surfactant

Formule linéaire:

(C₃H₆O·C₂H₄O)_x

Numéro CAS: **9003-11-6**

Numéro MDL: **MFCD00082049**

ID de substance PubChem: **24897874**

NACRES: **NA.75**

Référence	Conditionnement	Disponibilité	Prix	Quantité
P2443-250G	250 G	✓ Disponible pour expédition le 10 octobre 2022	113,00 €	Détails... - + i
P2443-1KG	1 KG	✓ Disponible pour expédition le 10 octobre 2022	380,00 €	Détails... - + i

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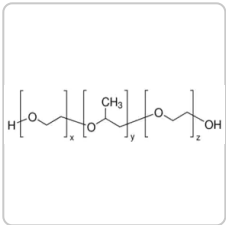
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PRODUCTS RECOMMANDÉS



Sigma-Aldrich

435465

Poly(ethylene glycol)-*block*-poly(propylene glycol)-*block*-poly(ethylene glycol)

average $M_n \sim 5,800$



Millipore

540025

Pluronic® F-127, PROTEIN GRADE® Detergent, 10% Solution, Sterile-Filtered

Non-ionic detergent useful for isolation of membrane proteins.

Consulter le prix et la disponibilité

Consulter le prix et la disponibilité

PROPRIÉTÉS

Description Non-ionic
contains 100ppm BHT

Niveau de qualité 200

Gamme de produits BioReagent

Forme powder

Poids mol. ~ 12600 g/mol

technique(s) cell culture | mammalian: suitable

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HLB	18 - 23
InChI	1S/C3H6O.C2H4O/c1-3-2-4-3;1-2-3-1/h3H,2H2,1H3;1-2H2
InChI key	RVGRUAULSDPKG-FUHFFFAOYSA-N

Catégories apparentées

[Detergents - Anionic, Cationic, Zwitterionic, Anti-foaming](#)

DESCRIPTION

Application

A non-ionic copolymer surfactant qualified for use in insect cell culture applications as an antifoaming agent.

Pluronic® F-127 was used to coat a siliconized coverslip to hold an egg extract in a study. Pluronic F-127 was added to phosphate buffered saline (PBS), to lower unspecific cell and protein adhesion to a PDMS-based microfluidic device. A study reports its use as a release vehicle to transport low-dose perivascular lipopolysaccharide (LPS) on mouse vein grafts. PLGA/pluronic F127 may be used to fabricate nerve guidance conduits (NGCs) for regeneration of peripheral nerve. Fabrication of poly (lactide-co-glycolide) (PLGA) — Pluronic F127 glass composites was reported. Pluronic F-127 was used for fluorescent labeling of blood vessels, astrocytes, and neurons.

Conditionnement

250 g in poly bottle

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Pluronic is a registered trademark of BASF

INFORMATIONS SUR LA SÉCURITÉ

Code de la classe de stockage

10 - Combustible liquids

WGK

WGK 1

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

Équipement de protection individuelle

Eyeshields, Gloves, type N95 (US)

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)

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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

Plus De Documents

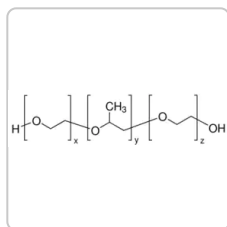
[Spectra - ATR-IR](#)

[Spectra for FT-IR Raman](#)

[Structure Search](#)

[FDS](#)

LES CLIENTS ONT ÉGALEMENT CONSULTÉ

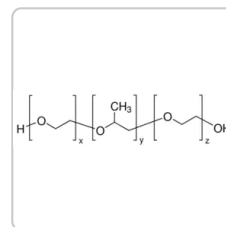


Sigma-Aldrich

07579

Synperonic® F 108

surfactant, non-ionic



Sigma-Aldrich

435430

Poly(ethylene glycol)-*block*-poly(propylene glycol)-*block*-poly(ethylene glycol)

average $M_n \sim 2,800$



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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.

What is the molecular weight of Pluronic F-127, Product P2443?

The average molecular weight is 12.6 kDa.

Why has my solution of Pluronic F-127, Product P2443, gelled?

Pluronic F-127 will form gels above 10 °C when used at concentrations of 18-50%. It will re-liquefy when cooled to below 10 °C. The gel should remain stable during autoclaving.

What concentration of Pluronic F-127, Product P2443, should be used in cell culture?

We test Pluronic F-127 in cell culture at 0.1 g/100 ml media (0.1%). The concentration necessary for your cell application may vary.

What can I use to dilute Pluronic F-127, Product P2443?

The Pluronic F-127 is water soluble as stated on the Specification Sheet.

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](#).

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

Ask a Scientist [here](#).

ARTICLES REVUS PAR DES PAIRS

Diffusive tail anchorage determines velocity and force produced by kinesin-14 between crosslinked microtubules.

Annemarie Lüdecke et al.

Nature communications, 9(1), 2214-2214 (2018-06-09)

Form and function of the mitotic spindle depend on motor proteins that crosslink microtubules and move them relative to each other. Among these are kinesin-14s, such as Ncd, which interact with one microtubule via their non-processive motor domains and with

Critical role of ATP-induced ATP release for Ca²⁺ signaling in nonsensory cell networks of the developing cochlea.

Federico Ceriani et al.

Proceedings of the National Academy of Sciences of the United States of America, 113(46), E7194-E7201 (2016-11-04)

Spatially and temporally coordinated variations of the cytosolic free calcium concentration ([Ca²⁺]_c) play a crucial role in a variety of tissues. In the developing sensory epithelium of the mammalian cochlea, elevation of extracellular adenosine trisphosphate concentration ([ATP]_e) triggers [Ca²⁺]_c oscillations

The role of fluctuations and stress on the effective viscosity of cell aggregates.

Philippe Marmottant et al.

Proceedings of the National Academy of Sciences of the United States of America, 106(41), 17271-17275 (2009-10-07)

Cell aggregates are a tool for in vitro studies of morphogenesis, cancer invasion, and tissue engineering. They respond to mechanical forces as a complex rather than simple liquid. To change an aggregate's shape, cells have to overcome energy barriers. If

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Understanding structure-property relationships is critical for the development of new drug delivery systems. This study investigates the properties of Pluronic smart hydrogel formulations for future use as injectable controlled drug carriers. The smart hydrogels promise to enhance patient compliance, decrease

Ca²⁺-Dependent Inactivation of GluN2A and GluN2B NMDA Receptors Occurs by a Common Kinetic Mechanism.

Gary J Iacobucci et al.

Biophysical journal, 118(4), 798-812 (2019-10-21)

N-Methyl-d-aspartate (NMDA) receptors are Ca²⁺-permeable channels gated by glutamate and glycine that are essential for central excitatory transmission. Ca²⁺-dependent inactivation (CDI) is a regulatory feedback mechanism that reduces GluN2A-type NMDA receptor responses in an activity-dependent manner. Although CDI is mediated

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PROTOCOLES ET ARTICLES SCIENTIFIQUES

Articles

Electrospun Nanofibers for Drug Delivery Systems

Local delivery of bioactive molecules using an implantable device can decrease the amount of drug dose required as well as non-target site toxicities compared to oral or systemic drug administration.

A Review of Mesoporous TiO₂ Thin Films

In this paper, we discuss recent advances in the preparation of various TiO₂ porous structures via hard and soft-templating routes. Specifically, we focus on recent developments in TiO₂ mesoporous thin films in a combined sol-gel and evaporation-induced self-assembly (EISA) process.

Contenu apparenté

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Tissue Engineering

Tissue engineering fabricates tissues cultures from scaffolds, living cells, and biologically active molecules by simulating the microenvironment of the body to repair or replace damaged tissue.

PRODUITS CONSULTÉS RÉCEMMENT

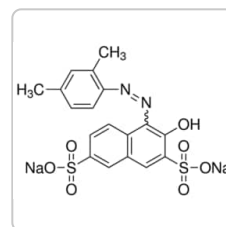


Sigma-Aldrich

P2401

Pectinase from *Rhizopus* sp.
powder, 400-800 units/g solid

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

P2395

Ponceau Xylidine
Dye content $\geq 60\%$

[Consulter le prix et la disponibilité](#)

Évaluations



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