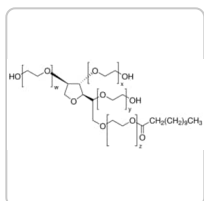


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P1379 ▶ **Sigma-Aldrich.**

TWEEN® 20

★★★★★ 5.0 (2)

viscous liquid

Synonyme(s):

Polyethylene glycol sorbitan monolaurate, Polyoxyethylenesorbitan monolaurate

Documents



FDS



COO/COA



Fiche des
caractéristiques

Plus de
documents »

Numéro CAS:

9005-64-5

Numéro MDL:

MFCD00165986

NACRES:

NA.21

Référence	Conditionnement	Disponibilité	Prix	Quantité
P1379-25ML	25 ML	Only 3 left in stock (more on the way)	16,40 €	– +
P1379-100ML	100 ML	Disponible pour expédition le 10 octobre 2022	34,80 €	– +
P1379-250ML	250 ML	Disponible pour expédition le 10 octobre 2022	43,50 €	– +
P1379-500ML	500 ML	Disponible pour expédition le 10 octobre 2022	69,70 €	– +

[Détails...](#)

[Détails...](#)

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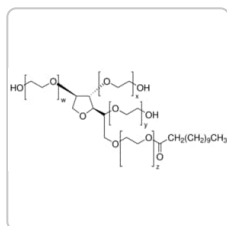
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P1379-1KT	1 KIT	✓ Only 5 left in stock (more on the way)	Détails...	118,00 €	- +	i
P1379-4L	4 L	✓ Disponible pour expédition le 10 octobre 2022	Détails...	202,00 €	- +	i

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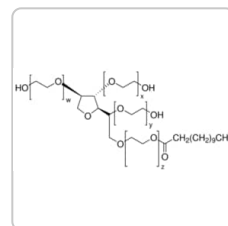
PRODUITS RECOMMANDÉS



Sigma-Aldrich

P9416**TWEEN® 20**

for molecular biology, viscous liquid

[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

P7949**TWEEN® 20**

BioXtra, viscous liquid

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PROPRIÉTÉS

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Essai/Dosage	≥40.0% (GC)
Forme	viscous liquid
Poids mol.	~1228
Composition	lauric acid, ≥40% (balance primarily myristic, palmitic, and stearic acids)
technique(s)	DNA extraction: suitable RNA extraction: suitable cell culture mammalian: suitable protein purification: suitable
Impuretés	≤3.0% water
Indice de réfraction	$n_{20/D}$ 1.468 (lit.)
CMC	0.06 mM (20-25°C)
Indice d'acide	≤2.2 mg/g
Indice d'hydroxyle	96-108 mg/g
Temp. de transition	cloud point 76 °C
Densité	1.095 g/mL at 25 °C (lit.)
HLB	16.7

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InChI

1S/C26H50O10/c1-2-3-4-5-6-7-8-9-10-11-24(30)34-19-18-31-20-22(32-15-12-27)26-25(35-17-14-29)23(21-36-26)33-16-13-28/h22-23,25-29H,2-21H2,1H3

InChI key

HMFKFHLTUCJZJO-UHFFFAOYSA-N

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

Catégories apparentées

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

DESCRIPTION

Description générale

Tween[®] 20 is a polyoxyethylene sorbitol ester that belongs to the polysorbate family. It is a nonionic detergent having a molecular weight of 1,225 daltons, assuming 20 ethylene oxide units, 1 sorbitol, and 1 lauric acid as the primary fatty acid. The ethylene oxide subunits are responsible for the hydrophilic nature of the surfactant, while the hydrocarbon chains provide the hydrophobic environment. Sorbitol forms the backbone ring to which the ethylene oxide polymers are attached.

Application

TWEEN 20 has been used as a component of:

- washing buffer and blocking buffer in Western blotting
- blocking buffer in immunohistochemistry

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TWEEN 20 is a nonionic detergent widely used in biochemical applications. It has been used as an emulsifying agent for the preparation of stable oil-in-water emulsions. TWEEN 20 has been used in pre-extraction of membranes to remove peripheral proteins (used at 2% for extraction of membrane-bound proteins).

TWEEN 20 has been used as a blocking agent for membrane based immunoassays at a typical concentration of 0.05%. TWEEN 20 can be used for lysing mammalian cells at a concentration of 0.005 to 0.5%.

Non-ionic detergent

Conditionnement

25, 100, 250, 500, 6×500 mL in poly bottle

1, 4 L in poly bottle

P1379-1KT:

Each kit contains 3 x 100ML samples, each sample from a uniquely manufactured lot.

Notes préparatoires

TWEEN 20 is miscible in water (100mg/mL), yielding a clear, yellow solution. It is also miscible with alcohol, dioxane, and ethyl acetate. TWEEN 20 is insoluble in liquid paraffin and fixed oils.

Informations légales

TWEEN is a registered trademark of Croda International PLC

PRODUITS APPARENTÉS

Recommandé(E)(S)

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[GET YOURS HERE](#)[View Pricing](#)**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**

10 - Combustible liquids

WGK

WGK 1

Flash Point(F)

527.0 °F - Pensky-Martens
closed cup

Point d'éclair C

275 °C - Pensky-Martens
closed cup

Équipement de protection individuelle

Eyeshields, Gloves

DOCUMENTATION

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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

Comment saisir un numéro de lot (COO)

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QUESTIONS FRÉQUEMMENT POSÉES (FAQ)

What is the percentage of Tween 20 in Product P1379?

P1379 is not diluted in any solvent. Thus it can be considered "100%" or the "neat" material.

Can solutions of Product P1379, Tween[®] 20, be autoclaved?

Increased temperature can lead to autoxidation of TWEEN 20 in solution. Autoclaving is not recommended without testing for changes in properties. TWEEN 20 may not be stable to autoclaving, particularly with metal cations in buffer solutions. TWEEN 20 is heat sensitive; it will darken when exposed to elevated temperatures. Autoclaving is done at the customer's risk.

What is the source of Product P1379, Tween[®] 20? Is it from plant or animal source, or synthetic?

Origin information on any lot of Tween 20 is specific to that lot, and can be found on its Certificate of Origin (CofO), which may be accessed on the Sigma-Aldrich website under its specific product and lot number.

The appearance of Product P1379, Tween[®] 20, is clear dark yellow. Is this OK?

Yes. The specifications for P1379 are "clear yellow to yellow green viscous liquid".

Is Product P1379, Tween[®] 20, protease-free?

We have not tested P1379 in quality control to be protease-free. There is a Molecular Biology grade of Tween 20, P9416, but this is not tested specifically for proteases either. P9416 is tested to be endonuclease-free and to be ribonuclease-free.

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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.

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

Polysorbates 20 and 80 used in the formulation of protein biotherapeutics: structure and degradation pathways.

Kerwin BA

J. Pharm. Pharm. Sci., 97(8), 2924-2935 (2008)

Ethylene and carbon dioxide production by developing strawberries show a correlative pattern that is indicative of ripening climacteric fruit.

Lannetta PM et al

Physiologia Plantarum, 127.2, 247-259 (2006)

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Gene expression and immune response kinetics using electroporation-mediated DNA delivery to muscle.

Gr?nevik E et al

The journal of gene medicine, 7(2), 218-227 (2005)

A novel strategy to reduce the immunogenicity of biological therapies.

Jennifer Somerfield et al.

Journal of immunology (Baltimore, Md. : 1950), 185(1), 763-768 (2010-06-04)

Biological therapies, even humanized mAbs, may induce antiglobulin responses that impair efficacy. We tested a novel strategy to induce tolerance to a therapeutic mAb. Twenty patients with relapsing-remitting multiple sclerosis received an initial cycle of alemtuzumab (Campath-1H), up to 120

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PROTOCOLES ET ARTICLES SCIENTIFIQUES

Articles

[Fluorescent *in situ* Hybridization \(FISH\)](#)

Available Fluorescent in situ hybridization (FISH) procedures, reagents and equipment.

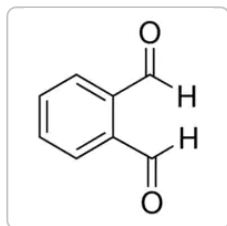
Protocoles

[Solubilization of Membrane Proteins](#)

This page shows how to solubilize membrane proteins with products from Cytiva.

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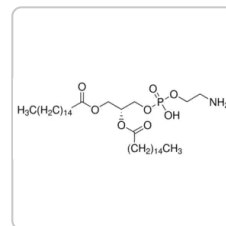
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Sigma-Aldrich

P1378**Phthalaldehyde**

≥97% (HPLC), powder (may contain lumps)

[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

P1348**1,2-Dipalmitoyl-*sn*-glycero-3-phosphoethanolamine**

≥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 ★		2
4 ★		0
3 ★		0
2 ★		0
1 ★		0

Notes moyennes des clients

Générale ★★★★★ 5.0

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★★★★★ 5.0 | [2 avis](#)



2
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Questions

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