

Toutes les
photos (1)

P7949 ▶ **Sigma-Aldrich**

TWEEN® 20

★★★★★ 5.0 (1)

BioXtra, 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:

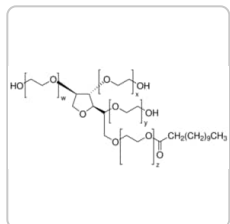
NA.21

Référence	Conditionnement	Disponibilité	Prix	Quantité
P7949-100ML	100 ML	✓ Disponible pour expédition le 07 octobre 2022 Détails...	44,40 €	- +
P7949-500ML	500 ML	✓ Disponible pour expédition le 07 octobre 2022 Détails...	83,20 €	- +
P7949-2.5L		✓ Date d'expédition estimée le 10 novembre 2022	240,00 €	- +

Demander une commande en gros

Ajouter au panier

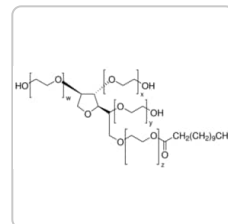
PRODUITS RECOMMANDÉS



Sigma-Aldrich

P9416**TWEEN® 20**

for molecular biology, viscous liquid

[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

P1379**TWEEN® 20**

viscous liquid

[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Description	non-ionic
Niveau de qualité	300
Gamme de produits	BioXtra
Forme	viscous liquid
Poids mol.	~1228
Composition	lauric acid, ≥40% (balance primarily myristic, palmoyic, and stearic acids)
technique(s)	blocking: suitable cell culture mammalian: suitable hybridization: suitable

protein purification: suitable
transformation: suitable

Impuretés	≤0.05% Phosphorus (P)
-----------	-----------------------

Résidus de calcination	≤0.2%
------------------------	-------

Indice de réfraction	$n_{20/D}$ 1.468 (lit.)
----------------------	-------------------------

CMC	0.06 mM (20-25°C)
-----	-------------------

Temp. de transition	cloud point 76 °C
---------------------	-------------------

Densité	1.095 g/mL at 25 °C (lit.)
---------	----------------------------

Traces d'anions	chloride (Cl ⁻): ≤0.05% sulfate (SO ₄ ²⁻): ≤0.05%
-----------------	---

Traces de cations	Al: ≤0.0005% Ca: ≤0.0005% Cu: ≤0.0005% Fe: ≤0.0005% K: ≤0.005% Mg: ≤0.0005% NH ₄ ⁺ : ≤0.05% Na: ≤0.05% Pb: ≤0.001% Zn: ≤0.0005%
-------------------	--

HLB	16.7
-----	------

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 in post-hybridization wash buffer after *in situ* hybridization. It has been used along with PBS (phosphate buffered saline) to wash wells during ELISA and along with PBS (phosphate buffered saline) in wash buffer for immunostaining.

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

100, 500 mL in poly bottle

Attention

TWEEN 20 may not be stable to autoclaving, particularly with metal cations in buffer solutions. Autoclaving is not recommended without testing for changes in properties. TWEEN 20 is heat sensitive and will darken when exposed to elevated temperatures. Polysorbates have been reported to be incompatible with alkalis, heavy metal salts, phenols, and tannic acid. They may also reduce the activity of many preservatives. Aqueous solutions of polysorbates undergo autoxidation during storage, with changes being catalyzed by light, increased temperature, and copper sulfate.

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

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

Certificat d'analyse

Saisir un numéro de lot pour rechercher un certificat d'analyse (COA).

Numéro de lot

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

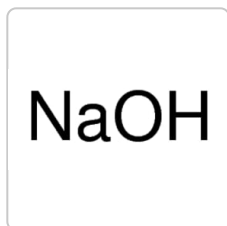
Comment saisir un numéro de lot (COO)

Rechercher

Plus De Documents

[Spectra - ATR-IR](#)
[Structure Search](#)
[FDS](#)

LES CLIENTS ONT ÉGALEMENT CONSULTÉ



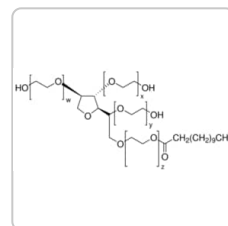
Sigma-Aldrich

72068

Sodium hydroxide solution

BioUltra, for molecular biology, 10 M in H₂O

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

8.22184

TWEEN® 20

for synthesis

[Consulter le prix et la disponibilité](#)



QUESTIONS FRÉQUEMMENT POSÉES (FAQ)

What is the percentage of Tween 20 in P7949?

P7949 is not diluted in any solvent. Thus it can be considered "100%" or the "neat" material. If you still need to ask a question, please click the Ask a Question tab at the bottom of the page.

Can Product P7949, 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 does "BioXtra" mean?

"BioXtra" is the grade designation given to Sigma-Aldrich products that have been tested to be low in trace metal content.

The appearance of Product P7949, Tween® 20, is not colorless. Is this OK?

The specification for P7949 is a clear yellow-green liquid.

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.

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

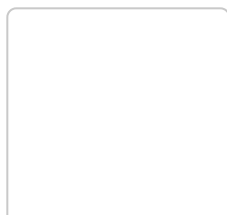
Comparison of the results obtained by ELISA and surface plasmon resonance for the determination of antibody affinity.

Heinrich L, et al.

Journal of Immunological Methods, 352(1-2), 13-22 (2010)

Localizing transcription factors on chromatin by immunofluorescence.**Pile LA and Wassarman DA***Methods, 26(1), 3-9 (2002)***Coexpression of the cannabinoid receptor type 1 with dopamine and serotonin receptors in distinct neuronal subpopulations of the adult mouse forebrain.****Hermann H, et al.***Neuroscience, 109(3), 451-460 (2002)***Production of hen egg yolk immunoglobulins simultaneously directed against Salmonella Enteritidis and Salmonella Typhimurium in the same egg yolk.****Chalghoumi R, et al.***Poultry Science, 87(1), 32-40 (2008)***Autophagy-mediated catabolism of visual transduction proteins prevents retinal degeneration.****Jingyu Yao et al.***Autophagy, 12(12), 2439-2450 (2016-10-30)*

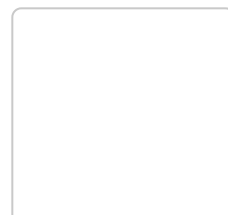
Autophagy is a lysosomal degradation pathway critical to preventing the accumulation of cytotoxic proteins. Deletion of the essential autophagy gene Atg5 from the rod photoreceptors of the retina (atg5 Δ rod mouse) results in the accumulation of the phototransduction protein transducin and

[Afficher tous les articles scientifiques apparentés](#)**PRODUITS CONSULTÉS RÉCEMMENT**

Sigma-Aldrich

P7994

Phosphate Buffer Powder



Sigma-Aldrich

P7937Protein Phosphatase-1 Catalytic Subunit, α -Isoform from rabbit

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

1 AVIS AVEC NOTES UNIQUEMENT

★★★★★ 5.0 | 1 avis

Rechercher des questions et des réponses		1 avis	0 questions	0 réponses
---	--	-----------------------	----------------------------	---------------------------

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..

[Contacter notre Service technique](#)

Le contenu de cette page vous a-t-il été utile ?*



Que pouvons-nous faire pour améliorer cette page spécifique de notre site Internet ?

Envoyer