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P4417 ▶ **Sigma-Aldrich.**

Phosphate buffered saline

★★★★★ 5.0 (1)

tablet

Synonyme(s):
PBS

Documents

[↓ FDS](#)

[🔍 COO/COA](#)

[📄 Fiche des caractéristiques](#)

Numéro MDL:

MFCD00131855

eCl@ss:

32129211

NACRES:

NA.25

Référence	Conditionnement	Disponibilité	Prix	Quantité
P4417-50TAB	50 TABLETS	✓ Disponible pour expédition le 10 octobre 2022	99,60 €	— +
P4417-100TAB	100 TABLETS	✓ Disponible pour expédition le 10 octobre 2022	172,00 €	— +

[Détails...](#)

[Détails...](#)



[Demander une commande en gros](#)

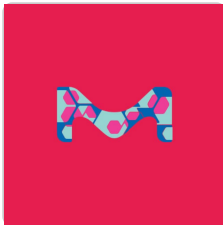
[Ajouter au panier](#)

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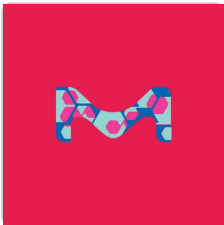


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Sigma-Aldrich
P3813
Phosphate buffered saline
powder, pH 7.4, for preparing 1 L solutions

Consulter le prix et la disponibilité



Sigma-Aldrich
P5493
Phosphate buffered saline
10× concentrate, BioPerformance Certified, suitable for cell culture

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PROPRIÉTÉS

Forme	tablet
Niveau de qualité	200
pH	7.2-7.6 (1 tablet/200 mL)
Solubilité	water: soluble
application(s)	diagnostic assay manufacturing

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

Catégories apparentées

[Biological Buffers](#)

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Description générale

Phosphate-buffered saline (PBS) is a buffer solution used in biological research. It is a water-based salt solution containing sodium phosphate, sodium chloride and, in some formulations, it contains potassium chloride and potassium phosphate. The osmolality and ion concentrations of the solutions match those of the human body (isotonic) and are non-toxic to most cells.

Application

Phosphate buffered saline has been used-

- for the production of platinum nanoparticles (NP-Pt) hydrocolloids
- for the washing of blood sample and SEM (scanning electron microscope) stubs prior to SEM
- for preparing the solution of fluorescent lectin wheat germ agglutinin (WGA)
- for the dilution of capture antibody during ELISA (enzyme linked immunosorbent assay)
- for suspension of cell pellets during centrifugation
- in immunoassay procedures

Conditionnement

50, 100 tablets in poly bottle

Reconstitution

One tablet dissolved in 200 mL of deionized water yields 0.01 M phosphate buffer, 0.0027 M potassium chloride and 0.137 M sodium chloride, pH 7.4, at 25 °C.

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Recommandé(E)(S)

CLS3516

Corning® Costar® TC-Treated Multiple Well Plates, size 6 wells, clear, polystyrene plate, flat bottom, case of 50 (individually wrapped), sterile, lid

[View Pricing](#)

CLS2592

Corning® 1 x 8 Stripwell™ 96 well plates, high binding surface, clear

[View Pricing](#)

CLS430641

Corning® cell culture flasks, surface area 75 cm², canted neck, cap (vented)

[View Pricing](#)

Souvent Commandé Avec Ce Produit

850375P

18:1 (Δ9-Cis) PC (DOPC), 1,2-dioleoyl-*sn*-glycero-3-phosphocholine, powder

[View Pricing](#)

890890P

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610005

PC Membranes 0.1um, Avanti Polar Lipids 610005

[View Pricing](#)

610014

Filter Support, Avanti Polar Lipids 610014

[View Pricing](#)

INFORMATIONS SUR LA SÉCURITÉ

Code de la classe de
stockage

13 - Non Combustible Solids

WGK
WGK 1

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

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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

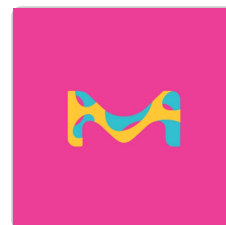


Millipore

6500-OP

OmniPur® PBS Tablets

Consulter le prix et la disponibilité



SAFC

806552

Phosphate Buffered Saline

pH 7.4, liquid, sterile-filtered, suitable for cell culture

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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.

Does Product P4417, Phosphate buffered saline (PBS), contain calcium or magnesium?

No. The complete formulation is given in the product listing. No calcium or magnesium salts are included in the preparation.

Does one tablet of Product P4417, Phosphate buffered saline (PBS), make up 1X or 10X PBS?

When 1 tablet is reconstituted in 200 ml of water, the resulting solution is 1X PBS.

Can Product P4417, Phosphate buffered saline (PBS), solution be autoclaved?

Yes. PBS is not harmed by standard autoclave procedures.

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](#).

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Lipid rafts in the bovine milk fat globule membrane revealed by the lateral segregation of phospholipids and heterogeneous distribution of glycoproteins.

Lopez C et al

Food Chemistry, 120.1, 22-33 (2010)

Structural damage of chicken red blood cells exposed to platinum nanoparticles and cisplatin.

Kutwin M et al

Nanoscale Research Letters, 9(1), 257-257 (2014)

Impact of the Conformational Variability of Oligopeptides on the Computational Prediction of Their CD Spectra.

M Michaelis et al.

The journal of physical chemistry. B, 123(31), 6694-6704 (2019-07-11)

Although successful in the structural determination of ordered biomolecules, the spectroscopic investigation of oligopeptides in solution is hindered by their complex and rapidly changing conformational ensemble. The measured circular dichroism (CD) spectrum of an oligopeptide is an ensemble average over

Sputum cathelicidin, urokinase plasminogen activation system components, and cytokines discriminate cystic fibrosis, COPD, and asthma inflammation.

Xiao W et al

Chest, 128(4), 2316-2326 (2005)

The adsorption of α -amylase on barley proteins affects the in vitro digestion of starch in barley flour.

Wenwen Yu et al.

Food chemistry, 241, 493-501 (2017-09-30)

The conversion of barley starch to sugars is a complex enzymic process. Most previous work concerned the biotechnical aspect of in situ barley enzymes. However, the interactions among the macromolecular substrates and their effects on enzymic catalysis has been little

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PROTOCOLES ET ARTICLES SCIENTIFIQUES

Protocoles

Antibody Purification using Protein A, Protein G, or Protein L Agarose

Antibody Purification using Protein A, Protein G, or Protein L Agarose protocol is designed as a quick purification method for antibodies from mammalian sera, ascites, and cell culture supernatants. It should be noted that if the starting material is serum or ascites the final preparation will...

Immunofluorescence Labeling of Cells

Cell staining can be divided into four steps: cell preparation, fixation, application of antibody, and evaluation.

ELISA Procedures

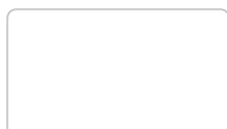
ELISA protocols providing detailed instructions on performing indirect ELISA and Capture ELISA . Learn more about recommended products and techniques for performing both sandwich ELISA and indirect ELISA experiments.

Immunoprecipitation Procedure

To determine the molecular weights of protein antigens, to study protein/protein interactions, to determine specific enzymatic activity, to monitor protein post-translational modifications and to determine the presence and quantity of proteins.

[Afficher tout >](#)

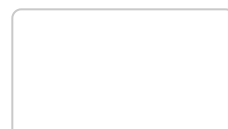
PRODUITS CONSULTÉS RÉCEMMENT



Sigma-Aldrich

P4413

N,N,N',N'-Tetrakis(2-



Sigma-Aldrich

P4406

Papain Agarose from papaya latex

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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

1	0	0
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Questions

[Soyez le premier à poser une question](#)

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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](#)

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