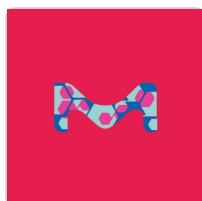


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P4937 ▶ **Sigma-Aldrich.**

Percoll®

★★★★★ (0)

pH 8.5-9.5 (25 °C), suitable for cell culture

Numéro MDL:

MFCD00131830

NACRES:

NA.75

Documents



FDS



COO/COA



Fiche des caractéristiques

Référence	Conditionnement	Disponibilité	Prix	Quantité
P4937-25ML	25 ML	✓ Disponible pour expédition le 10 octobre 2022	116,00 €	1
P4937-100ML	100 ML	✓ Disponible pour expédition le 10 octobre 2022	285,00 €	1
P4937-500ML	500 ML	✓ Only 2 left in stock (more on the way)	1020,00 €	1

[Demander une commande en gros](#)

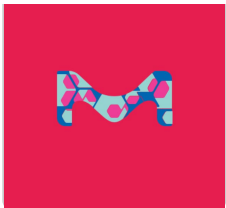
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P1644
Percoll®
pH 8.5-9.5 (20 °C)

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GE17-0891-01
Percoll®
Cytiva 17-0891-01, pack of 1 L

[Consulter le prix et la disponibilité](#)



PROPRIÉTÉS

Stérilité	aseptically filled
Niveau de qualité	200
technique(s)	cell culture mammalian: suitable
pH	8.5-9.5 (25 °C)
Densité	1.13 g/mL±0.005 g/mL at 25 °C (lit.)
Temp. de stockage	2-8°C

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

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Description générale

Percoll® is a classic medium for density gradient centrifugation of cells, viruses, and subcellular particles. It consists of colloidal silica particles of 15-30 nm diameter (23% w/w in water), which have been coated with polyvinylpyrrolidone (PVP). The PVP coating renders the product completely non-toxic and ideal for use with biological materials. Due to its heterogeneity in particle size, sedimentation occurs at different rates, spontaneously creating very smooth, isometric gradients in the range of 1.0-1.3 g/ml.

Application

Percoll consists of colloidal silica particles of 15-30 nm diameter (23% w/w in water) which have been coated with polyvinylpyrrolidone (PVP). It is used to establish non-toxic low viscosity, low osmolarity density gradients that can be used to isolate cells, organelles and viruses. It has been used to separate inner and outer membrane vesicles from *E. coli*. Percoll is isosmotic throughout the gradient, non-toxic, and is easily removed from the purified materials.

Percoll® has been used in the centrifugal separation of:

- neonatal rat ventricular cardiomyocytes
- leucocytes from a blood sample
- peritubular myoid (PM) cells

Caractéristiques et avantages

- Low osmolality permits precise adjustment to physiological conditions without significant interference from the medium.
- Compatible with living cells and viruses and allows separation and recovery of intact, fully active systems.
- Impermeable to biological membranes, resulting in no change of buoyant density of particles during centrifugation.

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gradients.

Informations légales

Percoll is a registered trademark of Cytiva

PRODUITS APPARENTÉS

Produit Apparenté

08168

Timestrip Plus™ 8 °C

[View Pricing](#)

INFORMATIONS SUR LA SÉCURITÉ

Code de la classe de
stockage

12 - Non Combustible Liquids

WGK
nwg

Flash Point(F)
Not applicable

Point d'éclair C
Not applicable

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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)

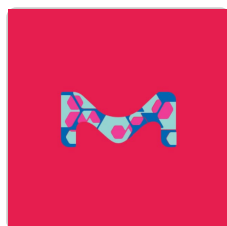
Rechercher

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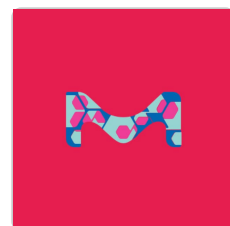
Sigma-Aldrich

F5415

Ficoll® solution

Type 400, 20% in H₂O

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Sigma-Aldrich

H4641

Hanks' Balanced Salt Solution 10x

Without calcium chloride, magnesium sulfate and sodium bicarbonate, 10 ×, liquid, sterile-filtered, suitable for cel...

[Consulter le prix et la disponibilité](#)



QUESTIONS FRÉQUEMMENT POSÉES (FAQ)

Can you help me calculate gradients for Percoll®, Product P1644?

The product information sheet (under Documents, above) has an equation for calculating density of a given solution.

When using Product P1644, Percoll®, what density should I use for my particular system?

The product information sheet (under Documents, above) has a table of densities for different organelles and cell types.

Is there a "best" salt solution to use with Product P1644, Percoll®?

Percoll can be used with various salt formulations (PBS, 1.5 M NaCl, HBSS, etc.). Physiological saline and balanced salt solutions can be suggested. Sucrose is included to prevent aggregation. You can find detailed preparation instructions on the product information sheet (under Documents, above) for this product.

Can Percoll®, Product P1644, be autoclaved?

Percoll can be autoclaved, but this must be done without any salts or sucrose present.

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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.

What is the difference between Percoll® Products P4937 and P1644?

Product Nos. P1644 and P4937 are both Percoll. Product No. P4937 has additional testing for use in cell culture.

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

Ask a Scientist [here](#).

ARTICLES REVUS PAR DES PAIRS

The proteome of frozen-thawed pig spermatozoa is dependent on the ejaculate fraction source.

Cristina Pérez-Patiño et al.

Scientific reports, 9(1), 705-705 (2019-01-27)

The preservation of sperm functional parameters and fertility post-cryopreservation largely varies in the porcine, a species with a fractionated ejaculate. Although intrinsic individual differences have primarily been linked to this variation, differences in protein abundance among frozen-

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H Pertoft et al.

Analytical biochemistry, 88(1), 271-282 (1978-07-15)

Inflammatory Activation of Astrocytes Facilitates Melanoma Brain Tropism via the CXCL10-CXCR3 Signaling Axis.

Hila Doron et al.

Cell reports, 28(7), 1785-1798 (2019-08-15)

Melanoma is the deadliest skin cancer due to its high rate of metastasis, frequently to the brain. Brain metastases are incurable; therefore, understanding melanoma brain metastasis is of great clinical importance. We used a mouse model of spontaneous melanoma brain

Single-cell analysis of RORα tracer mouse lung reveals ILC progenitors and effector ILC2 subsets.

Maryam Ghaedi et al.

The Journal of experimental medicine, 217(3) (2019-12-10)

Lung group 2 innate lymphoid cells (ILC2s) drive allergic inflammation and promote tissue repair. ILC2 development is dependent on the transcription factor retinoic acid receptor-related orphan receptor (RORα), which is also expressed in common ILC progenitors. To elucidate the developmental

TFEB regulates murine liver cell fate during development and regeneration.

Nunzia Pastore et al.

Nature communications, 11(1), 2461-2461 (2020-05-20)

It is well established that pluripotent stem cells in fetal and postnatal liver (LPCs) can differentiate into both hepatocytes and cholangiocytes. However, the signaling pathways implicated in the differentiation of LPCs are still incompletely understood. Transcription Factor EB (TFEB), a

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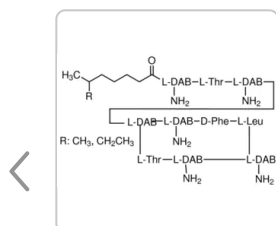


Protocoles

How to Make and Use Percoll Gradients

To prepare a Percoll gradient, the osmolality of Percoll must be adjusted with saline or cell culture medium to make Percoll isotonic with physiological salt solutions.

PRODUITS CONSULTÉS RÉCEMMENT



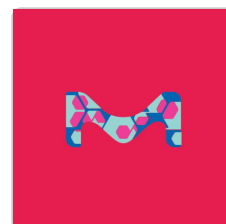
Sigma-Aldrich

P4932

Polymyxin B sulfate salt

powder, BioReagent, suitable for cell culture

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

P4929

Poly(deoxyinosinic-deoxycytidylic) acid sodium salt

double-stranded alternating copolymer

[Consulter le prix et la disponibilité](#)

Évaluations



[Soyez le premier à donner votre avis sur ce produit](#)

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

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