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11191 ▶ **Sigma-Aldrich**

Histopaque®-1119

★★★★★ 5.0 (1)

sterile-filtered, density: 1.119 g/mL

NACRES: NA.75

Documents



[FDS](#)



[COO/COA](#)



[Fiche des caractéristiques](#)

Référence	Conditionnement	Disponibilité	Prix	Quantité
11191-100ML	100 ML	✓ Disponible pour expédition le 04 octobre 2022	148,00 €	1
11191-6X100ML	6 X 100 ML	✓ Only 2 left in stock (more on the way)	682,00 €	1

[Détails...](#)[Détails...](#)[Demander une commande en gros](#)[Ajouter au panier](#)

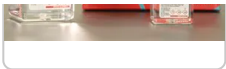
PRODUITS RECOMMANDÉS

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PROPRIÉTÉS

Stérilité	sterile-filtered
Niveau de qualité	400
Durée de conservation	Expiry date on the label.
Impuretés	endotoxin, tested
Densité	1.119 g/mL
application(s)	hematology histology
Temp. de stockage	2-8°C

Catégories apparentées

Cell Separation Media

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DESCRIPTION

Description générale

Histopaque®-1119 is a sterile, endotoxin tested, ready-to-use medium. This solution consists of polysucrose and sodium diatrizoate, adjusted to a density of 1.119 g/mL and pH 8.8–9.0.

Application

Histopaque®-1119 is suitable for use in conjunction with Histopaque-1077 as it facilitates the rapid recovery of viable mononuclear cells and granulocytes from small volumes of whole blood.

Principe

The process involves the formation of a double gradient on layering an equal volume of Histopaque-1077 over Histopaque-1119. Anticoagulated whole blood is carefully layered onto the upper Histopaque-1077 medium. Upon centrifugation, the erythrocytes are aggregated by polysucrose and thus rapidly sediment. Granulocytes are found at the lower Histopaque-1077/1119 interface; whereas, lymphocytes and other mononuclear cells are found at the upper plasma/Histopaque-1077 interface. Most extraneous platelets found in the upper interface are removed by low-speed centrifugation during washing steps. Erythrocyte contamination is negligible.

Informations légales

Histopaque is a registered trademark of Sigma-Aldrich Co. LLC

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[GET YOURS HERE](#)**Produit Apparenté****08168**

Timestrip Plus™ 8 °C

[View Pricing](#)**INFORMATIONS SUR LA SÉCURITÉ****Pictograms****GHS05****Mention d'avertissement**

Warning

Mentions de danger**H290 - H315 - H319****Conseils de prudence****P234 - P264 - P280 - P302 +
P352 - P305 + P351 + P338 -
P332 + P313****Classification des risques**Eye Irrit. 2 - Met. Corr. 1 -
Skin Irrit. 2**Code de la classe de
stockage**8A - Combustible, corrosive
hazardous materials**WGK**

WGK 3

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

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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).

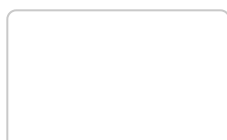
Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COO)

Rechercher

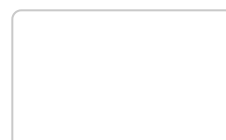
LES CLIENTS ONT ÉGALEMENT CONSULTÉ



GE17-5442-02

Ficoll®-Paque Premium

Cytiva 17-5442-02, pack of 6 × 100 mL



Sigma-Aldrich

A1805

ACCUSPIN™ Tubes Sterile, 12 mL Capacity

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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.

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.

When using Product 11191, Histopaque®-1119, the mononuclear cell layers forms as expected, but the layer with the polymorphonuclear (eg, neutrophils) does not form properly. Why?

Technique is much more important with Histopaque® 1119. The published product insert calls for layering in the 1119 first, then adding a layer of 1077 and then layering the blood. If there is any mixing between the 1077 and the 1119, the procedure does not work properly. Customers can check for the integrity of their interface by checking for Schlieren optics. Any swirling or mixing should be evident when holding the tube up against a light source, such as a ceiling light or towards a window. If the interface was properly prepared, there should be a sharply demarcated line. If swirling is present, the user should start over. It is also important to use the gradient as soon as it is formed. There are no chemical differences

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underlay. This protocol starts with 1077 in the test tube. Then a long metal cannula or a 9.5" Pasteur pipet is used to introduce the 1119 into the very bottom of the test tube. Care must be taken not to introduce any air bubbles. The air bubbles will destroy the interface. Load ~2.9 mls of 1119 into a 9.5" Pasteur pipette. With an electric pipet aid, add very slowly to the bottom of the tube. With this technique the Histopaque® 1077 is slowly pushed upwards and displaced by the Histopaque® 1119. When done properly very sharp gradients are possible. Electric pipet aids are useful when overlaying and underlaying Histopaque®. The release is dependent upon how slow or fast the dispensing button is applied. Regardless of the technique employed, it is imperative to introduce the Histopaque® slowly and smoothly. Users trying to do this with a 10 ml pipet hooked up to a blue rubber bulb are often going to experience problems. When dispensing, tilt the tube slightly, touch the pipet to the Histopaque® already placed in the centrifuge tube, draw the meniscus up the side of the tube 4 or 5 mm and then allow the Histopaque® to be released. No mixing should occur. If dispensed too quickly, the Histopaque®/blood will mix with the lower layer. When releasing the Histopaque® into the centrifuge tube it is beneficial to slant the tube at a 45 degree angle. The Histopaque® is then slowly released. When complete there should be an absolutely sharp, visible line at the interface between the Histopaque® 1077 and the Histopaque® 1119. It is imperative the blood and Histopaque® all be at room temperature. Having either the blood or Histopaque® cold could well cause the red cell contamination to increase and the cell recovery to become unacceptable. Another tip involves the measurement of the radius for your centrifuge. The measurement should be from the center of the spindle to the bottom of the centrifuge tube (when in the swung out position). Calculating the radius to the top or the middle of the centrifuge tube could also account for separation problems. It is debatable which method is correct - top, bottom or middle. Sigma uses the bottom of the centrifuge measurement. Some centrifuges automatically calculate rpm. Check the owner's manual for your centrifuge to determine how the rpm calculation is performed. Not all manufacturers use the method recommended by Sigma-Aldrich. If you are collecting your blood with a syringe, switch over to a vacuum tube. Use the freshest blood possible, but do allow the blood to reach room temperature.

Can the procedure for using Product 11191, Histopaque®-1119, be used successfully with species such as rats and mice?

The Histopaque 1119-1 procedure was developed for use with human blood. Due to the lower number of circulating neutrophils in rat or mouse peripheral blood, the technique tends not to work as well with rats or mice.

When using Product 11191, Histopaque®-1119, what is the expected percent recovery for the band containing neutrophils.

No percent recovery data has been generated. Due to the importance of technique with the Histopaque 1119-1, percent recovery varies with the skill of the operator.

The Product 11191, Histopaque®-1119, froze in transit. Is the product still suitable for use?

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Can the procedure for Product 11191, Histopaque®-1119, be performed using the various Accuspin products?

No. Accuspin products are intended for use with just a single density gradient - such as Histopaque® 1077.

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

Ask a Scientist [here](#).

ARTICLES REVUS PAR DES PAIRS

The CiaR response regulator in group B Streptococcus promotes intracellular survival and resistance to innate immune defenses.

Darin Quach et al.

Journal of bacteriology, 191(7), 2023-2032 (2008-12-31)

Group B Streptococcus (GBS) is major cause of invasive disease in newborn infants and the leading cause of neonatal meningitis. To gain access to the central nervous system (CNS), GBS must not only subvert host defenses in the bloodstream but

Short-Term High-Starch, Low-Protein Diet Induces Reversible Increase in β -cell Mass Independent of Body Weight Gain in Mice.

Atsushi Masuda et al.

Nutrients, 11(5) (2019-05-15)

Long-term exposure to a high starch, low-protein diet (HSTD) induces body weight gain and hyperinsulinemia concomitantly with an increase in β -cell mass (BCM) and pancreatic islets number in mice; however, the effect of short-term exposure to HSTD on BCM and

Single-Cell Transcriptome Analysis Dissects the Replicating Process of Pancreatic Beta Cells in Partial Pancreatectomy Model.

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We

Nox2+ myeloid cells drive vascular inflammation and endothelial dysfunction in heart failure after myocardial infarction via angiotensin II receptor type 1.

Michael Molitor et al.

Cardiovascular research, 117(1), 162-177 (2020-02-23)

Heart failure (HF) ensuing myocardial infarction (MI) is characterized by the initiation of a systemic inflammatory response. We aimed to elucidate the impact of myelomonocytic cells and their activation by angiotensin II on vascular endothelial function in a mouse model

Identification of pneumococcal colonization determinants in the stringent response pathway facilitated by genomic diversity.

Yuan Li et al.

BMC genomics, 16, 369-369 (2015-05-10)

Understanding genetic determinants of a microbial phenotype generally involves creating and comparing isogenic strains differing at the locus of interest, but the naturally existing genomic and phenotypic diversity of microbial populations has rarely been exploited. Here we report use of

Afficher tous les articles scientifiques apparentés

PROTOCOLES ET ARTICLES SCIENTIFIQUES

Protocoles

Histopaque® Density Gradient Media Troubleshooting Guide

This troubleshooting guide addresses the most common sources of error observed when using Histopaque but is not meant to be a comprehensive list.

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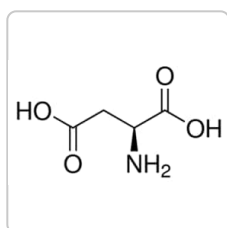
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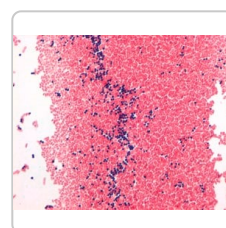
Sigma-Aldrich

11189

L-Aspartic acid

BioUltra, ≥99.5% (T)

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Sigma-Aldrich

1.11885

Gram-Color

Stain set for the Gram staining method

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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

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SRPA

SSF

Avis 2

Votes 0

★★★★★ · il y a 4 mois

GRADIENTS WITH HISTO

Brought to room temperature before using to get good separation.

[Traduire avec Google](#)**Recommande ce produit** OuiUtile? [Oui · 0](#) [Non · 0](#) [Signaler](#)★★★★★ 5.0 | [1 avis](#)**1**
[avis](#)**0**
[questions](#)**0**
[réponses](#)

Questions

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

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