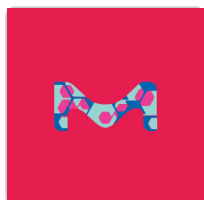


Saisir le nom du produit, le numéro de lot, etc.



Toutes les
photos (1)

K4002 ▶ Sigma-Aldrich.

Krebs-Ringer Bicarbonate Buffer

★★★★★ (0)

With 1800 mg/L glucose, without calcium chloride and sodium bicarbonate, powder, suitable for cell culture

NACRES: NA.75

Documents



FDS



COO/COA



Fiche des
caractéristiques

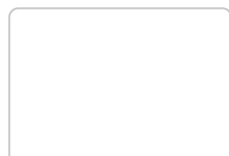
Plus de
documents »

Référence	Conditionnement	Disponibilité	Prix	Quantité
K4002-10X1L	10 X 1 L	Date d'expédition estimée le 25 novembre 2022	245,00 €	- +

[Demander une commande en gros](#)

[Ajouter au panier](#)

PRODUITS RECOMMANDÉS

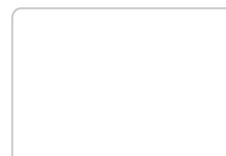


Sigma-Aldrich

K3753

Krebs-Henseleit Buffer Modified

With 2000 mg/L glucose, without calcium chloride and



Millipore

1.15525

RINGER tablets

for the preparation of RINGER'S solution



sodium bicarbonate, powder, suitable for cell culture



Consulter le prix et la disponibilité

PROPRIÉTÉS

Niveau de qualité	500
Forme	powder
technique(s)	cell culture mammalian: suitable
pH	6.1-6.7
Solubilité	water: 9.5 g/L, clear
Temp. de stockage	2-8°C

Catégories apparentées

[Biological Buffers](#)

[Bioprocessing Recombinant Supplements](#)

DESCRIPTION

Description générale

Bicarbonate buffered isotonic saline containing magnesium, potassium, sodium and phosphate ions.

Quantité

Formulated to contain 9.5 grams of powder per liter of medium.

Reconstitution

Supplement with 1.26 g/L sodium bicarbonate.

PRODUITS APPARENTÉS

Supplément

C5670

Calcium chloride, anhydrous, BioReagent, suitable for insect cell culture, suitable for plant cell culture, ≥96.0%

[View Pricing](#)

S5761

Sodium bicarbonate, powder, BioReagent, for molecular biology, suitable for cell culture, suitable for insect cell culture

[View Pricing](#)

INFORMATIONS SUR LA SÉCURITÉ

**Code de la classe de
stockage**
11 - 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

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

Fiche D'informations Produit

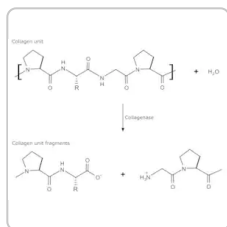
Product Information Sheet - K4002

Formulation

Basal Salt Mixtures Product Information - K4002

FDS

LES CLIENTS ONT ÉGALEMENT CONSULTÉ



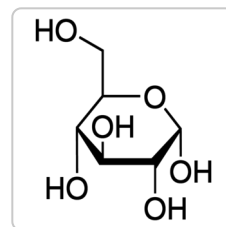
Sigma-Aldrich

C5138

Collagenase from *Clostridium histolyticum*

suitable for release of physiologically active rat hepatocytes, Type IV, 0.5-5.0 FALGPA units/mg solid,...

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

G8644

D-(+)-Glucose solution

100 g/L in H₂O, sterile-filtered, BioXtra, suitable for cell culture

[Consulter le prix et la disponibilité](#)

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 should Product K4002, Krebs-Ringer Bicarbonate Buffer, be dissolved?

Product No. K4002 is listed in a 10X1L package size, meaning that each of the ten containers has enough powder to make 1 Liter of KRB buffer. It can be dissolved in 1 Liter of either water or medium.

What is the formula of Product K4002, Krebs-Ringer Bicarbonate Buffer (KRB)?

The formulation for KRB can be found on the data sheet.

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.

Product K4002 - Krebs-Ringer Bicarbonate Buffer, is without calcium chloride and sodium bicarbonate. In the reconstitution steps, you advice to add 1.26g sodium bicarbonate. Should we also add some calcium chloride? in which amount?

Product K4002 - Krebs-Ringer Bicarbonate Buffer does not contain calcium. The addition of calcium is not required for osmolarity. If you need to have calcium, you can add calcium chloride between 1.25 to 2.5 mM. You may want to check the osmolarity and make sure it is not too high. Krebs-Henseleit Buffer has 1.25 mM calcium chloride. Krebs' Buffer has 2.5 mM calcium chloride. Krebs' Ringer Superfusion solution contains 2.0 mM calcium chloride. Please see the attached document for different Krebs' buffer recipes.

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

Ask a Scientist [here](#).

ARTICLES REVUS PAR DES PAIRS

[Endothelial Src kinase regulates membrane recycling from the lateral border recycling compartment during leukocyte transendothelial migration.](#)

Bidisha Dasgupta et al.

European journal of immunology, 38(12), 3499-3507 (2008-11-11)

When leukocytes cross endothelial cells during the inflammatory response, membrane from the recently described lateral border recycling compartment (LBRC) is selectively targeted around diapedesing leukocytes. This "targeted recycling" is critical for leukocyte transendothelial migration. Blocking homophilic PECAM interactions between leukocytes

Human seminal plasma inhibits brain nitric oxide synthase activity.

N C Schaad et al.

Human reproduction (Oxford, England), 11(3), 561-565 (1996-03-01)

Nitric oxide is a chemical messenger which functions as a neurotransmitter or as a cytotoxic agent. Nitric oxide synthase (NOS) has been isolated from various mammalian reproductive tissues. The presence or absence of NOS in spermatozoa has not yet been

Sam68 promotes hepatic gluconeogenesis via CRTC2.

Aijun Qiao et al.

Nature communications, 12(1), 3340-3340 (2021-06-09)

Hepatic gluconeogenesis is essential for glucose homeostasis and also a therapeutic target for type 2 diabetes, but its mechanism is incompletely understood. Here, we report that Sam68, an RNA-binding adaptor protein and Src kinase substrate, is a novel regulator of

Systemic PPAR γ deletion impairs circadian rhythms of behavior and metabolism.

Guangrui Yang et al.

PloS one, 7(8), e38117-e38117 (2012-08-18)

Compelling evidence from both human and animal studies suggests a physiological link between the circadian rhythm and metabolism but the underlying mechanism is still incompletely understood. We examined the role of PPAR γ , a key regulator of energy metabolism, in the

Probing the mechanism of cardiovascular drugs using a covalent levosimendan analog.

Sandra E Pineda-Sanabria et al.

Journal of molecular and cellular cardiology, 92, 174-184 (2016-02-09)

One approach to improve contraction in the failing heart is the administration of calcium (Ca²⁺) sensitizers. Although it is known that levosimendan and other sensitizers bind to troponin C (cTnC), their in vivo mechanism is not fully understood. Based on

[Afficher tous les articles scientifiques apparentés](#)

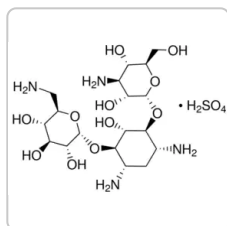
PROTOCOLES ET ARTICLES SCIENTIFIQUES

Protocoles

[Powdered Media Preparation Instructions](#)

Powdered media and salt mixtures are extremely hygroscopic and should be protected from atmospheric moisture.

PRODUITS CONSULTÉS RÉCEMMENT



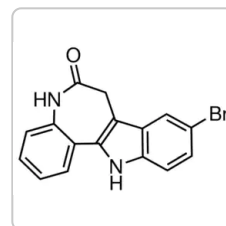
Sigma-Aldrich

K4000

Kanamycin sulfate from *Streptomyces kanamyceticus*

Animal Component-free

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

K3888

Kenpauillone

≥98%

[Consulter le prix et la disponibilité](#)

Évaluations

★★★★★

Soyez le premier à donner votre avis sur ce produit

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..

Contactez notre Service technique

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