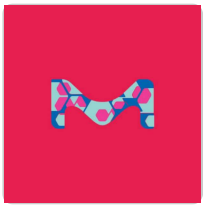

All Photos (1)

Documents

SDS

COO/COA

Specification Sheet

D0822 ▶ Sigma-Aldrich.

StableCell™ DMEM - high glucose

☆☆☆☆☆ (0)

With 4500 mg/L glucose, stable glutamine, sodium pyruvate and sodium bicarbonate, liquid, sterile-filtered, suitable for cell culture

Synonym(s):
Dulbecco's Modified Eagle's Medium - high glucose, DME, DMEM

NACRES: NA.75

SKU	Pack Size	Availability	Price	Quantity
D0822-500ML	500 ML	Estimated to ship on December 22, 2022	€36.90	− +

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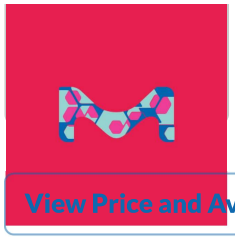
RECOMMENDED PRODUCTS

Sigma-Aldrich
D0819

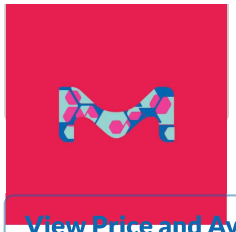
Sigma-Aldrich
D6429



StableCell™ DMEM - high glucose

With 4500 mg/L glucose, stable glutamine, and sodium bicarbonate, without sodium pyruvate., liquid, sterile-...

View Price and Availability



Dulbecco's Modified Eagle's Medium - high glucose

With 4500 mg/L glucose, L-glutamine, sodium pyruvate, and sodium bicarbonate, liquid, sterile-filtered, suitable...

View Price and Availability

PROPERTIES

Quality Level	400
sterility	sterile-filtered
form	liquid
technique(s)	cell culture | mammalian: suitable
impurities	Endotoxin, tested
components	$NaHCO_3$: yes phenol red: yes glucose: high sodium pyruvate: yes HEPES: no stable glutamine
shipped in	ambient
storage temp.	2-8°C

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Related Categories

Bioprocessing Cell Culture Media

Classical Media & Buffers

DESCRIPTION

General description

This DMEM-Hi glucose medium differs from the original formula, because it is supplemented with L-alanyl-L-glutamine dipeptide. Glutamine is notoriously unstable in cell culture. This dipeptide provides a more stable form of glutamine for use in cell cultures.

Application

Dulbecco's Modified Eagle's Medium (DMEM) is a modification of Basal Medium Eagle (BME) that contains four-fold concentrations of the amino acids and vitamins. The original formulation contained 1000 mg/L of glucose and was used to culture embryonic mouse cells. Since then, it has been modified in several ways to support primary cultures of mouse and chicken cells, as well as a variety of normal and transformed cells. Each of these media offers a different combination of L-glutamine and sodium pyruvate. Additionally, the glucose levels have been raised to 4500 mg/L, contributing to the name "DMEM/High".

Legal Information

StableCell is a trademark of Sigma-Aldrich Co. LLC

RELATED PRODUCTS

Related Product

F2442

Fetal Bovine Serum, USA origin, sterile-filtered, suitable for cell culture, suitable for hybridoma

View Pricing

SAFETY INFORMATION

Storage Class Code	WGK	Flash Point(F)	Flash Point(C)
12 - Non Combustible Liquids	WGK 1	Not applicable	Not applicable

DOCUMENTATION

Certificate of Analysis

Enter Lot Number to search for Certificate of Analysis (COA).

Lot Number

e.g. 023J5431

How to enter Lot Number (COA)

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Certificate of Origin

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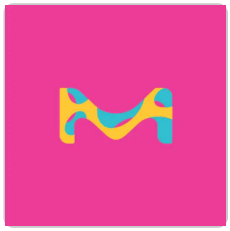


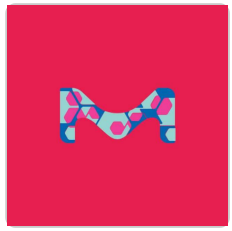
SAFC

D6171

Dulbecco's Modified Eagle's Medium - high glucose

HEPES modification, With 4500 mg/L glucose, 25 mM HEPES, and sodium bicarbonate, without L-glutamine...

View Price and Availability



Sigma-Aldrich

D5671

Dulbecco's Modified Eagle's Medium - high glucose

With 4500 mg/L glucose and sodium bicarbonate, without L-glutamine and sodium pyruvate, liquid, sterile...

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PEER REVIEWED PAPERS

Transient receptor potential vanilloid 4 channel participates in mouse ventricular electrical activity.

Sebastien Chaigne et al.
American journal of physiology. Heart and circulatory physiology, 320(3), H1156-H1169 (2021-01-16)

The TRPV4 channel is a calcium-permeable channel (PCa/PNa ~ 10). Its expression has been reported in ventricular myocytes, where it is involved in several cardiac pathological mechanisms. In this study, we investigated the implication of TRPV4 in ventricular electrical activity.

A non-catalytic function of PI3Kγ drives smooth muscle cell proliferation after arterial damage.

Adrien Lupieri et al.
Journal of cell science, 133(13) (2020-06-03)

Arterial remodeling in hypertension and intimal hyperplasia involves inflammation and disrupted flow, both of which contribute to smooth muscle cell dedifferentiation and proliferation. In this context, our previous results identified phosphoinositide 3-kinase γ (PI3Kγ) as an essential factor in inflammatory

Identification of targets of AMPylating Fic enzymes by co-substrate-mediated covalent capture.

Burak Gulen et al.
Nature chemistry, 12(8), 732-739 (2020-07-08)

Various pathogenic bacteria use post-translational modifications to manipulate the central components of host cell functions. Many of the enzymes released by these bacteria belong to the large Fic family, which modify targets with nucleotide monophosphates. The lack of a generic

Structural basis for cell surface patterning through NetrinG-NGL interactions.

Elena Seiradake et al.
The EMBO journal, 30(21), 4479-4488 (2011-09-29)

Brain wiring depends on cells making highly localized and selective connections through surface protein-protein interactions, including those between NetrinGs and NetrinG ligands (NGLs). The NetrinGs are members of the structurally uncharacterized netrin family. We present a comprehensive crystallographic analysis comprising

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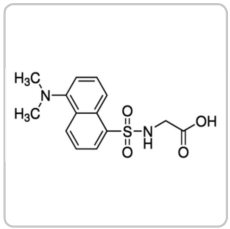
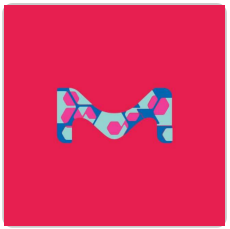


Sigma-Aldrich

D0875
Dansylglycine
fluorescent amino acid



Sigma-Aldrich

D0697
StableCell™ DMEM/F12
With stable glutamine, 15mM HEPES and sodium bicarbonate, liquid, sterile-filtered, suitable for cell...

View Price and Availability

View Price and Availability

TECHNICAL SERVICE

Our team of scientists has experience in all areas of research including Life Science, Material Science, Chemical Synthesis, Chromatography, Analytical and many others.

Contact Technical Service