

Innovate and save with Life Science-opoly Save now >



Home > Shop All Products > Cell Culture Media, Supplements, And Reagents > Cell Culture Media > Classical And Basal Cell Culture Media > MEM Cell Culture Media > Opti-MEM™ I Reduced Serum Me...



[Certificates](#)  [SDS](#)

Gibco™

Opti-MEM™ I Reduced Serum Medium

Opti-MEM™ I Reduced-Serum Medium is an improved Minimal Essential Medium (MEM) that allows for a reduction of Fetal Bovine [Read more](#)

Have Questions? [Contact Us](#)

Change view



Catalog Number	Quantity
31985062	100 mL
31985070	500 mL

[Save now](#)

Innovate and save with Life Science-opoly

ThermoFisher
SCIENTIFIC

Price (EUR) / 100 mL

7,15



In stock

Add to cart

Quantity:

100 mL

[Customize this product](#)[Product Overview](#)[Recommendations](#)[Documents](#)[FAQ](#)[Citations & References](#)

Opti-MEM™ I Reduced-Serum Medium is an improved Minimal Essential Medium (MEM) that allows for a reduction of [Fetal Bovine Serum](#) supplementation by at least 50% with no change in growth rate or morphology. Opti-MEM™ I medium is also recommended for use with cationic lipid transfection reagents, such as Lipofectamine™ reagent. Opti-MEM™ I medium can be used with a variety of suspension and adherent mammalian cells, including Sp2, AE-1, CHO, BHK-21, HEK, and primary fibroblasts. We offer a variety of Opti-MEM™ I [modifications](#) for a range of cell culture applications.

This Opti-MEM™ I is modified as follows:

With

- L-glutamine
- Phenol Red

The complete formulation is confidential. For more information, please contact [Technical Services](#).

Using Opti-MEM™ I Medium

Opti-MEM™ I Reduced-Serum Medium is a unique medium that contains insulin, transferrin, hypoxanthine, thymidine, and trace elements. These additional components allow for a reduction in serum supplementation by at least 50%. Opti-MEM™ I medium uses a sodium bicarbonate buffer system (2.4 g/L), and therefore requires a 5–10% CO₂ environment to maintain physiological pH.

For Research Use or Further Manufacturing. Not for diagnostic use or direct administration into humans or animals.

Specifications

Save now

Innovate and save with Life Science-opoly

ThermoFisher
SCIENTIFIC

Classification	Human Origin
Concentration	1 X
Form	Liquid
Product Type	Opti-MEM I
Shelf Life	18 Months From Date of Manufacture
Sterility	Sterile-filtered
With Additives	Glutamine, Phenol Red
Green Features	Sustainable packaging
Manufacturing Quality	cGMP-compliant under the ISO 13485 standard
Product Line	Gibco™, Opti-MEM™
Quantity	100 mL
Shipping Condition	Room Temperature
Unit Size	100 mL

Contents & Storage

Store at 2–8°C and protect from light.

Customers who viewed this item also viewed

Save now

Innovate and save with Life Science-opoly

ThermoFisher
SCIENTIFIC



Opti-MEM™ I Reduced Serum Medium

Catalog number: 31985070

52,25 / 500 mL

Add to cart

Penicillin-Streptomycin (10,000 U/mL)

Catalog number: 15140122

24,40 / 100 mL

Add to cart

Lipol Trans

Catal

117,



Documents & Downloads

Certificates

Search by lot number or partial lot number

Search

Lot #	Certificate Type	Date	Catalog Number(s)
2995983	Certificate of Analysis	Nov 20, 2024	31985070, 31985047, 31985062
3021847	Certificate of Analysis	Nov 06, 2024	31985070, 31985047, 31985062
2995014	Certificate of Analysis	Oct 20, 2024	31985070, 31985047, 31985062
2962164	Certificate of Analysis	Oct 18, 2024	31985070, 31985047, 31985062
2995972	Certificate of Analysis	Oct 18, 2024	31985070, 31985047, 31985062

5 results displayed, search above for a specific certificate

Get a Certificate

Save now

Innovate and save with Life Science-opoly

ThermoFisher
SCIENTIFIC

Scientific Resources

Application Notes



-  [Nalgene 5 L Faceted-Bottom Shake Flask for scale-up of the Expi293 Expression System](#)
-  [Application Note: Scalability of the CTS LV-MAX Lentiviral Production System in bioreactors](#)
-  [Application Note: Performance comparison of maxi-scale plasmid DNA isolation kits](#)

Brochures



-  [Mammalian Cells for Virus Pr](#)
-  [GIBCO Casepacks](#)

Flyers



-  [Flyer: Gibco custom media manufacturing](#)

Product Information

Manuals



-  [Product Sheet: OPTI-MEM I Reduced Serum Medium](#)

Protocols

-  [Lipofectamine 2000](#)
-  [DMRIE-C Reagent](#)

Save now

Innovate and save with Life Science-opoly

ThermoFisher
SCIENTIFIC



- Transfecting Plasmid DNA into Hep 3B2.1-7 Cells Using Lipofectamine 3000 Reagent
- Transfecting Plasmid DNA Into Hep 3B2.1-7 Cells Using Lipofectamine 3000 Reagent
- Transfecting Plasmid DNA Into LNCaP Cells Using Lipofectamine 3000 Reagent
- Transfecting Plasmid DNA Into Hs 578T Cells Using Lipofectamine 3000 Reagent
- Lipofectamine Reagent for the transfection of DNA into eukaryotic cells
- FreeStyle 293 Expression System - for large-scale transfection of suspension 293 cells in a defined, serum-free medium
- PLUS Reagent
- Transfecting Plasmid DNA Into MCF10A Cells Using Lipofectamine 3000 Reagent
- Transfecting Plasmid DNA into A549 Cells Using Lipofectamine LTX Reagent

Frequently asked questions (FAQs)

- Will improper storage of my tissue culture reagents affect the growth rate of my culture? ▼
- My cells are growing very slowly. What could be the cause of this? ▼
- I have no viable cells after thawing my stock. What could be the cause of this? ▼
- What quality water do you use in formulating your media? ▼
- My medium was shipped at room temperature but it is supposed to be stored refrigerated. Is it okay? ▼

[View more](#)

Citations & References (19)

Search citations by name, author, journal title or abstract text

Search

Citations & References

Abstract

Save now

Innovate and save with Life Science-opoly

ThermoFisher
SCIENTIFIC

Authors: Suwa Akira; Mitsushima Masaru; Ito Takuya; Akamatsu Masahiko; Ueda Kazumitsu; Amachi Teruo; Kioka Noriyuki;

Journal: J Biol Chem

PubMed ID: 11825889

show that exogenous expression of vinexin beta, a novel focal adhesion protein, allows anchorage-independent ERK2 activation stimulated by epidermal growth factor. In ... [More](#)

[Hypoxia induces cyclooxygenase-2 via the NF-kappaB p65 transcription factor in human vascular endothelial cells.](#) [↗](#)

Authors: Schmedtje J F Jr; Ji Y S; Liu W L; DuBois R N; Runge M S;

Journal: J Biol Chem

PubMed ID: 8995303

'The inducible cyclooxygenase, COX-2, has been associated with vascular inflammation and cellular proliferation. We have discovered that hypoxia increases expression of the COX-2 gene in human vascular endothelial cells in culture independent of other stimuli. Western analysis of human umbilical vein endothelial cells (HUVEC) revealed a greater than 4-fold induction ... [More](#)

[The proximal promoter of the human transglutaminase 3 gene. Stratified squamous epithelial-specific expression in cultured cells is mediated by binding of Sp1 and ets transcription factors to a proximal promoter element.](#) [↗](#)

Authors: Lee J H; Jang S I; Yang J M; Markova N G; Steinert P M;

Journal: J Biol Chem

PubMed ID: 8626812

'The transglutaminase 3 enzyme is expressed during the late stages of the terminal differentiation of the epidermis and in certain cell types of the hair follicle. The enzyme is thought to be critically involved in the cross-linking of structural proteins and in the formation of the cornified cell envelope, thereby ... [More](#)

[Aldose reductase mediates mitogenic signaling in vascular smooth muscle cells.](#) [↗](#)

Authors: Ramana Kota V; Chandra Deepak; Srivastava Sanjay; Bhatnagar Aruni; Aggarwal Bharat B; Srivastava Satish K;

Journal: J Biol Chem

PubMed ID: 12063254

'Abnormal vascular smooth muscle cell (VSMC) proliferation is a key feature of atherosclerosis and restenosis; however, the mechanisms regulating growth remain unclear. Herein we show that inhibition of the aldehyde-metabolizing enzyme aldose reductase (AR) inhibits NF-kappa B activation during restenosis of balloon-injured rat carotid arteries as well as VSMC proliferation ... [More](#)

[Molecular requirements for the interaction of class II major histocompatibility complex molecules and invariant chain with calnexin.](#) [↗](#)

Authors: Arunachalam B; Cresswell P;

'Molecular chaperones are believed to retain misfolded and incompletely assembled oligomeric proteins in the endoplasmic reticulum (ER). Here, we have further analyzed the association of one such chaperone, calnexin, with human major histocompatibility complex class II alpha and beta subunits and

Save now

Innovate and save with Life Science-opoly



19 total citations

1 2 3 4 Next >

Other products to consider

Lipofectamine™ 2000 Transfection Reagent

Catalog number: 11668019

1.106,00 / 1.5 mL

Add to cart

Save now