Certificates SDS

Gibco™

RPMI 1640 Medium, GlutaMAX™ Supplement

RPMI 1640 Medium (Roswell Park Memorial Institute 1640 Medium) was originally developed to culture human leukemic cells in suspension Read more

Have Questions? Contact Us

Change view

Catalog Number	Quantity
61870044 also known as 61870-044	10 x 500 mL
61870010 also known as 61870-010	500 mL

Catalog number 61870044

also known as 61870-044

1 In stock

Add to cart

Quantity: 10 x 500 mL

Customize this product

RPMI 1640 Medium (Roswell Park Memorial Institute 1640 Medium) was originally developed to culture human leukemic cells in suspension and as a monolayer. RPMI 1640 medium has since been found suitable for a variety of mammalian cells, including HeLa, Jurkat, MCF-7, PC12, PBMC, astrocytes, and carcinomas. We offer a variety of RPMI 1640 modifications for a range of cell culture applications. Find the right formulation using the media selector tool.

This RPMI 1640 is modified as follows:

With	Without
• GlutaMAX™	• HEPES
• Phenol Red	

The complete formulation is available.

Using RPMI 1640 Medium

RPMI 1640 medium is unique from other media because it contains the reducing agent glutathione and high concentrations of vitamins. RPMI 1640 medium contains biotin, vitamin B_{12}, and PABA, which are not found in Eagle's Minimal Essential Medium or Dulbecco's Modified Eagle Medium. In addition, the vitamins inositol and choline are present in very high concentrations. RPMI 1640 medium with GlutaMAX™ supplement minimizes toxic ammonia build-up and improves cell viability and growth in an easy-to-use format. RPMI 1640 medium contains no proteins, lipids, or growth factors. Therefore, RPMI 1640 medium requires supplementation, commonly with 10% Fetal Bovine Serum (FBS). RPMI 1640 medium uses a sodium bicarbonate buffer system (2.0 g/L) and therefore requires a 5–10% CO_2 environment to maintain physiological pH.

Customers using Gibco™ RPMI 1640 in a manufacturing process, who have a submission with the FDA, may request a letter of authorization from us to reference our Type II Drug Master File (DMF).

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

Specifications

Culture Environment	CO_2
Cell Type	Mammalian Cells

Culture Type	Mammalian Cell Culture
Form	Liquid
Product Type	RPMI 1640
Serum Level	Standard Serum Supplementation
Shelf Life	12 Months
Sterility	Sterile-filtered
With Additives	GlutaMAX, Phenol Red, Sodium Bicarbonate
Without Additives	No HEPES, No Sodium Pyruvate
Green Features	Sustainable packaging
Manufacturing Quality	cGMP-compliant under the ISO 13485 standard
Osmolality	260 - 310 mOsm/kg
pH	7 to 7.4
Product Line	Gibco™, GlutaMAX™
Quantity	10 x 500 mL
Unit Size	10 x 500 mL

Contents & Storage

Storage conditions: 2-8° C. Protect from light.
Shipping conditions: Ambient.
Shelf life: 12 months from date of manufacture.

Explore Gibco GlutaMAX supplement to enable improved cell viability ›

Documents & Downloads

Certificates

Search by lot number or partial lot number

Search

Lot #	Certificate Type	Date	Catalog Number(s)
2915174	Certificate of Analysis	May 15, 2024	61870010, 61870143, 61870036, 61870150
2894224	Certificate of Analysis	May 11, 2024	61870010, 61870143, 61870036, 61870150
2926455	Certificate of Analysis	May 10, 2024	61870010, 61870143, 61870036, 61870150
2926451	Certificate of Analysis	Apr 18, 2024	61870010, 61870143, 61870036, 61870150
2872434	Certificate of Analysis	Apr 04, 2024	61870143, 61870010, 61870036, 61870150

5 results displayed, search above for a specific certificate

Request a Certificate

Scientific Resources

Brochures

Brochure: GlutaMax supplement - keep your cells healthier for longer

Product Information

Manuals

Product Sheet: RPMI 1640 Medium

Frequently asked questions (FAQs)

How light sensitive is RPMI 1640 media? Should I also be protecting it from LED light?

Will the media formulations containing GlutaMAX supplement change with respect to L-glutamine content?

What is the density (g/L) for RPMI 1640 Medium?

Will depletion, absence, or breakdown of essential growth-promoting components such as glutamine or growth factors reduce the growth rate of my culture?

Citations & References

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

Search

Citations & References

Abstract

Phenotypic profiling of structural cardiotoxins in vitro reveals dependency on multiple mechanisms of toxicity.

Authors: Pointon A, Abi-Gerges N, Cross MJ, Sidaway JE,

Journal: Toxicol Sci

'Morphological damage to cardiomyocytes or loss of viability (structural cardiotoxicity) is a common cause of attrition in preclinical and clinical drug development. Currently, no predictive in vitro approaches are available to detect this liability early in drug discovery, and knowledge of the

1 - 1 of 1 results.

Other products to consider

GlutaMAX™ Supplement

Catalog number: 35050061

69,50 / 100 mL

Add to cart

DPBS, no calcium, magnesium

Catalog number: 14

174,00 / 10 x 500

Add to