



MEM



Description

MEM (Minimum Essential Medium) is one of the most commonly used of all cell culture media. MEM can be used with a variety of suspension and adherent mammalian cells, including HeLa, BHK-21, 293, HEP-2, HT-1080, MCF-7, fibroblasts, and primary rat astrocytes. Life Technologies offers a variety of MEM modifications for a range of cell culture applications. Find the right formulation using the **media selector tool**.

This MEM is modified as follows:

Without

- L-glutamine
- HEPES
- Phenol Red

Using MEM

MEM was developed by Harry Eagle, and was based on his earlier formulation of Basal Medium Eagle (BME). Many other modifications of MEM followed, including Glasgow's MEM, MEM α , DMEM, and Temin's Modification. MEM is available with Earle's salts for use in a CO₂ incubator, or with Hank's salts for use without CO₂. This product is made with Earle's salts. MEM contains no proteins, lipids, or growth factors. Therefore, MEM requires supplementation, commonly with 10% **Fetal Bovine Serum** (FBS). MEM uses a sodium bicarbonate buffer system (2.2 g/L), and therefore requires a 5–10% CO₂ environment to maintain physiological pH.

Specifications

Glutamine:	No Glutamine
Phenol Red Indicator:	No Phenol Red
Form:	Liquid
HEPES Buffer:	No HEPES
Sodium Pyruvate Additive:	No Sodium Pyruvate
Volume:	500 ml
Glucose:	Low Glucose
Product Size:	500 mL
Serum Supplementation:	Standard Serum Supplementation
Green Features:	Sustainable packaging
Shipping Condition:	Room Temperature

Contents & storage

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