

MEM, no L-Glutamine, no HEPES

Cat. No.: G4553

Product Information

Product Name	Cat. No.	Spec.
MEM, no L-Glutamine, no HEPES	G4553-500ML	500 mL

Product Description/Introduction

MEM (Minimum Essential Medium) is one of the most commonly used basal medium for supporting the growth of many suspension and adherent mammalian cells. MEM medium is a more nutrient rich version of basal medium eagle (BME) media. There are some other modifications of MEM followed, including with or without non-essential amino acids (including L-Alanine, L-Glutamic acid, L-Asparagine, L-Aspartic acid, L-Proline, L-Serine, and Glycine), addition of ribonucleosides and deoxyribonucleosides. 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, no addition of non-essential amino acids and ribonucleosides and deoxyribonucleosides.

MEM contains no proteins, lipids, or growth factors. Therefore, MEM requires supplementation, commonly with 10% Fetal Bovine Serum (FBS). MEM with Earle's salts uses a sodium bicarbonate buffer system (2.2 g/L), and therefore requires a 5–10% CO₂ environment to maintain physiological pH. MEM with Hanks' salts does not require a CO₂ environment to maintain physiological pH.

All raw material components used for Servicebio cell culture media products are screened through using strict quality control testing. Servicebio cell culture media are manufactured at a cGMP-compliant facility using water for injection, filtered through final 0.1 µm sterile filtration and aseptically filled in a Hundred-stage FFU. The filter integrity tests are performed before and after filtration. Each lot of cell culture media are subjected to sterility test, pH, osmolality, endotoxin and cell culture test.

The major character of this MEM is as follows:

- With 5.5 mM Glucose, phenol red
- Without non-essential amino acid (NEAA), L-glutamine, sodium pyruvate, HEPES.

Storage and Shipping Conditions

Ship at room temperature; Store at 2°C to 8°C, protect from light; Valid for 12 months.

Note

1. This product is filtered by 0.1µm to remove bacteria. Please pay attention to aseptic operation to avoid contamination.
2. For best results, do not repeat freeze-thaw cycles.
3. For your safety and health, please wear safety glasses, gloves, or protective clothing.

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