

MEM, NEAA, GlutaPlus, no HEPES

Cat. No.: G4556

Product Information

Product Name	Cat. No.	Spec.
MEM, NEAA, GlutaPlus, no HEPES	G4556	500ML

Product Description

Minimum Essential Medium (MEM), which is also known as Low Limited Eagle Medium, is one of the most commonly used basic media in animal cell culture. MEM contains only 12 kinds of essential amino acids, 8 kinds of vitamins and basic inorganic salts, and has simple nutritional composition. It is mainly used for culture of adherent cells, and can also be used for culture of other types of cells culture with a modified formulation.

MEM containing NEAA (non-essential amino acids) is supplemented with seven kinds of NEAA, including L-alanine, L-glutamic acid, L-asparagine, L-aspartate, L-proline, L-serine and glycine, which can reduce the side effects of non-essential amino acid synthesis by cells during cell culture and effectively promote cell proliferation and metabolism.

This product contains amino acids, vitamins, inorganic salts and other ingredients required for cell culture, and does not contain protein or growth factors. Add 5-10% serum or serum-free additives depending on the cell type.

This product is sterilized by 0.1μm filter membrane, pH 7.0-7.4, contains 5.5 mM D-glucose, 1.87 mM L-alanyl-L-glutamine, phenol red indicator, no HEPES buffer system and sodium pyruvate.

L-alanyl-L-glutamine, is a cell culture additive that replaces medium moles of L-glutamine in cell culture media. The substance is stable in aqueous solution and does not degrade spontaneously. Instead, it is slowly degraded by a peptidase secreted by cells to release glutamine, which is then absorbed and used by cells.

Storage and Shipping Conditions

Ship at room temperature, store at 2-8°C away from light, valid for 12 months.

Note

1. The product is filtered and sterilized, and attention should be paid to aseptic operation to avoid contamination.
2. For best results, do not freeze and thaw.

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