MEM, with NEAA, L-alanyl-L-glutamine, HEPES

Cat. No.: PM150417

Size: 500mL

General Information

Product Form	Liquid
Concentration	1 ×
pH	7.2-7.4
D-Glucose	1000 mg/L
HEPES	25 mM
L-Alanyl-L-Glutamine	2 mM
$NaHCO_3$	2200 mg/L
Phenol red	10 mg/L
NEAA	Positive
Balanced salt	Earle's salt
Storage	2-8°C, Shading Light
Shipping	Room Temperature
Expiration date	24 months

Background

MEM medium (Minimum Essential Medium) was developed on the basis of Eagle basic medium. It is one of the most basic and widely used culture medium, and one of the most commonly used culture medium in animal cell culture. MEM medium contains 12 kinds of essential amino acids, glutamine and 8 vitamins, which is simple, mainly used in the culture of adherent cells.

MEM, with NEAA medium is added L-alanine, L-glutamic acid, L-asparagine, L-aspartic acid, L-proline, Lserine and glycine on the basis of MEM medium. These 7 kinds of NEAA, can reduce the side effects of producing non-essential amino acids during cell culture and promote cell proliferation and metabolism. This product contains many kinds of amino acids, vitamins, inorganic salts and other ingredients for cell culture, but does not contain protein, lipids or any growth factors. Therefore, the product should be used with serum or serum-free additives.

Notes

1. This product is only used for scientific research or further research, not for diagnosis and treatment.
2. This product is sterilized by 0.1 μm filtration.
3. It is necessary to pay attention to the aseptic operation and avoid the contamination.