# MEM, with HEPES

**Cat. No.: PM150433**

**Size: 500mL**

## General Information

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|---|---|
| **Product Form** | Liquid |
| **Concentration** | 1 × |
| **pH** | 7.0-7.6 |
| **D-Glucose** | 1000 mg/L |
| **HEPES** | 25 mM |
| **L-Glutamine** | 2 mM |
| **$NaHCO_3$** | 2200 mg/L |
| **Phenol red** | 10 mg/L |
| **NEAA** | Negative |
| **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.

## 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.