

## MEM (with NEAA, without phenol red)

Cat#: CM2404, 500mL

Store at 2-8°C, shading light

### **DESCRIPTION**

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 (contain NEAA) medium is added L-alanine, L-glutamic acid, L-asparagine, L-aspartic acid, L-proline, L-serine 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.

### **GENERAL INFORMATION**

|                          |                      |
|--------------------------|----------------------|
| <b>Product Form</b>      | Liquid               |
| <b>Concentration</b>     | 1X                   |
| <b>pH</b>                | 7.2-7.4              |
| <b>D-Glucose</b>         | 1000 mg/L            |
| <b>HEPES</b>             | Negative             |
| <b>L-glutamine</b>       | 2 mM                 |
| <b>NaHCO<sub>3</sub></b> | 2200 mg/L            |
| <b>Phenol red</b>        | Negative             |
| <b>NEAA</b>              | Positive             |
| <b>Balanced salt</b>     | Earle's salt         |
| <b>Storage</b>           | 2-8°C, shading light |
| <b>Shipping</b>          | RT                   |
| <b>Expiration date</b>   | 12 months            |

### **PRODUCT USE LIMITATION**

These products are intended for research use only.

## **RELATED PRODUCTS**

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| <b>Cat#</b>   | <b>Product Name</b>                   | <b>Size</b> | <b>Form</b> |
|---------------|---------------------------------------|-------------|-------------|
| <b>CM2401</b> | MEM (with NEAA), powder               | 10x1L       | Powder      |
| <b>CM2402</b> | MEM (with NEAA)                       | 500mL       | Liquid      |
| <b>CM2403</b> | MEM (with NEAA, HEPES)                | 500mL       | Liquid      |
| <b>CM2404</b> | MEM (with NEAA, without phenol red)   | 500mL       | Liquid      |
| <b>CM2405</b> | MEM                                   | 500mL       | Liquid      |
| <b>CM2406</b> | MEM (with HEPES)                      | 500mL       | Liquid      |
| <b>CM2407</b> | MEM (without phenol red)              | 500mL       | Liquid      |
| <b>CM2408</b> | MEM (without phenol red, with HEPES)  | 500mL       | Liquid      |
| <b>CM2409</b> | MEM (glucose free) (with NEAA)        | 500mL       | Liquid      |
| <b>CM2410</b> | MEM (glucose free) (with NEAA, HEPES) | 500mL       | Liquid      |
| <b>CM2411</b> | MEM (ATCC modified)                   | 500mL       | Liquid      |