

**DMEM (Glucose free), with L-alanyl-L-glutamine, HEPES, without phenol red**

Cat. No. : PM150291

Size : 500mL

**General Information**

|                             |                      |
|-----------------------------|----------------------|
| <b>Product Form</b>         | Liquid               |
| <b>Concentration</b>        | 1 ×                  |
| <b>pH</b>                   | 7.2-7.4              |
| <b>D-Glucose</b>            | Negative®            |
| <b>HEPES</b>                | 25 mM                |
| <b>L-Alanyl-L-Glutamine</b> | 4 mM                 |
| <b>NaHCO<sub>3</sub></b>    | 3700 mg/L            |
| <b>Phenol red</b>           | Negative             |
| <b>Sodium pyruvate</b>      | 1 mM                 |
| <b>Storage</b>              | 2-8°C, Shading Light |
| <b>Shipping</b>             | Room Temperature     |
| <b>Expiration date</b>      | 24 months            |

**Background**

DMEM (Dulbecco's Modified Eagle Medium) was developed on the basis of MEM medium. Compared with MEM medium, the content of amino acid increased by 2 times, the content of vitamin increased by 4 times, and the content of non-essential amino acid, trace iron ion and sodium pyruvate were increased by 4 times.

The glucose content of DMEM medium was originally designed as 1000 mg/L (low Glucose type), and then developed into 4500 mg/L (high Glucose type), which has been widely used in cell culture.

DMEM medium without glucose can be added to the concentration of glucose at will according to the research needs, which is convenient and quick.

DMEM (glucose free) 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, so the product should be used with serum or serum-free additives.

**Notes**

1. This product is for research use only.
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.