

DMEM,Low Glucose (With HEPES) Complete Medium Product manual

Basic Information

Cat.NO	Size	Shelf	Form	Storage	Transportation
CMC0014	500mL	6 months	Liquid	Store at 2-8°C away from light	2-8°C

Product Introduction

Components	DMEM,Low Glucose (With HEPES) (CMB0055)+10% Nutrient+1% Supplement
Concentration	Ready-to-use
Bacteria Detection	Negative
Fungi Detection	Negative
Mycoplasma Detection	Negative
Endotoxin Content (EU/mL)	< 3

Background

Dulbecco's Modified Eagle Medium (DMEM) is developed on the basis of MEM medium. Compared with MEM medium, the amino acid content is increased by 2 times, the vitamin content is increased by 4 times, and non-essential amino acids, trace iron ions and sodium pyruvate are also added. The glucose content of DMEM medium was originally designed to be 1000 mg/L (low sugar type), and later it was developed to have a glucose content of 4500 mg/L (high sugar type). It is now widely used in the culture of various cells. This product contains a variety of ingredients such as amino acids, vitamins, inorganic salts, etc. required for the culture of various types of cells, but does not contain proteins, lipids or any growth factors, so this product must be used with serum or serum-free additives.

HEPES is an excellent biological buffer with no toxic effect on cells. The culture medium with HEPES added can maintain a constant pH range for a long time, which can effectively prevent the adverse effects of large pH fluctuations in the culture medium on cell growth.

Precautions

1. During the entire process, be sure to pay attention to aseptic operation to avoid contamination;
2. To maintain the best use effect of this product, please do not perform freeze-thaw treatment;
3. This product is only used for research or further research, not for diagnosis and treatment.
4. It is not suitable for long time storage at room temperature.
5. This product is a ready-to-use medium. If there is no special need, don't add serum, penicillin and streptomycin. It can be used directly.

