DMEM (High glucose), with L-alanyl-L-glutamine, HEPES, without sodium pyruvate

Cat. No.: PM150235

Size: 500mL

General Information

Product Form	Liquid
Concentration	1 ×
pH	7.2-7.4
D-Glucose	4500 mg/L
HEPES	25 mM
L-Alanyl-L-Glutamine	4 mM
$NaHCO_3$	3700 mg/L
Phenol red	15 mg/L
Sodium pyruvate	Negative
Storage	2-8°C, Shading Light
Shipping	Room Temperature
Expiration date	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 (High glucose) was widely used in fast growth, low adhesion cells, hybridoma myeloma cells, clone cells, DNA transfected transformation cells, various primary virus host cells, single cell culture and vaccine production.

DMEM (High glucose) 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 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.