
IMDM Product manual

Basic Information

Cat.NO	Size	Shelf	Form	Storage	Transportation
CMB0071	500mL	12 months	Liquid	Store at 2-8°C away from light	Room Temperature

Contains (+)

L-Glutamine	4mM
NaHCO ₃	3024mg/L
D-Glucose	4500mg/L
Sodium Pyruvate	1mM
HEPES	25mM
pH indicator phenol red	

Product Introduction

IMDM (Iscove's Modified Dulbecco Medium) is Iscove's modified DMEM medium, which was designed by Guilber and Iscove in 1976 for culturing erythroid precursor cells and macrophages. IMDM medium is based on DMEM medium and contains selenium, HEPES, sodium pyruvate, and additional amino acids and vitamins. It is very nutritious and very suitable for rapid proliferation and high-density cell culture. IMDM medium can not only culture cells with special nutritional requirements (such as mouse B lymphocytes, LPS-stimulated B cells, bone marrow hematopoietic cells, T lymphocytes, and various hybridoma cells), but can also be used as the base liquid for some unique serum-free culture media. This product contains a variety of ingredients such as amino acids, vitamins, and inorganic salts required for various types of cell culture, but does not contain proteins, lipids, or any growth factors. Therefore, this product must be used with serum or serum-free additives.

Instructions

1. Balance the culture medium and related solutions in a water bath or at room temperature, and prepare the culture medium required for the experimental cells;
2. Cell inoculation: Remove the cells to be cultured from the original culture container, wash with appropriate culture medium or PBS, and adherent cells need to be digested with trypsin;
3. Collect the cells by centrifugation, centrifuge at 1000rpm for 3 min at room temperature, and discard the supernatant;

4. Add fresh culture medium to resuspend the cells. Then inoculate the cell suspension into the culture bottle with the corresponding volume of culture medium, mix gently, and culture at 37°C and 5% CO₂ saturated humidity. Observe and replace fresh culture medium regularly according to cell growth and cell density.

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, do not perform freeze-thaw treatment;
3. This product is only used for research or further research, not for diagnosis and treatment.