

M199 (With HEPES) Complete Medium

Product manual

Basic Information

Cat.NO	Size	Shelf	Form	Storage	Transportation
CMC0033	500mL	6 months	Liquid	Store at 2-8°C away from light	2-8°C

Product Introduction

Components	M199 (With HEPES)(CMB0074)+10% Nutrient+1% Supplement
Concentration	Ready-to-use
Bacteria Detection	Negative
Fungi Detection	Negative
Mycoplasma Detection	Negative
Endotoxin Content (EU/mL)	< 3

Background

M199 stands for Medium 199, which was designed by Morgan et al. in 1950. It was originally used for nutritional research on chicken embryo fibroblasts and is now widely used in the culture of various animal cells, including some non-mammalian animal cells. M199 is particularly suitable for the culture of non-transformed cells. It is also commonly used in virology, vaccine production, and the culture of rat pancreatic epithelial cells and mouse lens tissue. Compared with other basal culture media, M199 contains unique ingredients, including adenine, adenosine, hypoxanthine, thymine, and other vitamins. M199 has two balanced salt components. Earle's salt components are often used in CO₂ environments, and Hank's salt components are used in non-CO₂ environments.

This product contains a variety of ingredients such as amino acids, vitamins, inorganic salts, etc. required for various types of cell culture, but does not contain proteins, lipids or any growth factors. Therefore, this product needs to be used with serum or serum-free supplements.

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.