M199, with HEPES

Cat. No.: PM150612

Size: 500mL

General Information

Product Form	Liquid
Concentration	1 ×
pH	7.0-7.6
D-Glucose	1000 mg/L
HEPES	25 mM
L-Glutamine	100 mg/L
$NaHCO_3$	2200 mg/L
Phenol red	20 mg/L
Balanced salt	Earle's salt
Storage	2-8°C, Shading Light
Shipping	Room Temperature
Expiration date	24 months

Background

M199 (Medium 199) originally used in nutritional studies of chicken embryo fibroblasts, it has been widely used in the culture of various animal cells, including some non-mammalian cells. M199 is especially suitable for the culture of untransformed cells, rat pancreatic epithelial cells and mouse lens tissues, also used in virology and vaccine production. Compared with other basic medium, M199 contains unique ingredients, including adenine, adenosine, hypoxanthine, thymine, and other vitamins. There are two kinds of equilibrium salt (earle's salt and hank's salt) in M199. Earle's salt is often used in CO_2 environment, hank's salt is used in non-CO_2 environment.

This product 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. Therefore, 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.