

M199 (without L-glutamine)

Cat#: CM2704, 500 mL

Store at 2-8°C, shading light

DESCRIPTION

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 CO₂ environment, hank's salt is used in non-CO₂ 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.

GENERAL INFORMATION

Product Form	Liquid
Concentration	1X
pH	7.2-7.4
D-Glucose	1000 mg/L
HEPES	Negative
L-glutamine	Negative
NaHCO₃	2200 mg/L
Phenol red	20 mg/L
Balanced salt	Earle's salt
Storage	2-8°C, shading light
Shipping	RT
Expiration date	12 months

PRODUCT USE LIMITATION

These products are intended for research use only.

RELATED PRODUCTS

Cat#	Product Name	Size	Form
CM2701	M199, powder	10x1L	Powder
CM2702	M199	500 mL	Liquid
CM2703	M199 (with PS)	500 mL	Liquid
CM2704	M199 (without L-glutamine)	500 mL	Liquid
CM2705	M199 (without phenol red)	500 mL	Liquid
CM2706	M199 (with L- alanyl -L-glutamine)	500 mL	Liquid
CM2707	M199 (without phenol red, with L- alanyl -L-glutamine)	500 mL	Liquid