

# M199

Cat#: CM2702, 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**

<b>Product Form</b>	Liquid
<b>Concentration</b>	1X
<b>pH</b>	7.2-7.4
<b>D-Glucose</b>	1000 mg/L
<b>HEPES</b>	Negative
<b>L-glutamine</b>	100 mg/L
<b>NaHCO3</b>	2200 mg/L
<b>Phenol red</b>	20 mg/L
<b>Balanced salt</b>	Earle's salt
<b>Storage</b>	2-8°C, shading light
<b>Shipping</b>	RT
<b>Expiration date</b>	12 months

## **PRODUCT USE LIMITATION**

These products are intended for research use only.

## **RELATED PRODUCTS**

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