

**Medium 199w/ Earle's Salts w/o L-Glutamine**

Product code :  
LM-M1904

<b><u>Theoretical pH:</u></b>	7.3 ± 0.3
<b><u>Osmolality:</u></b>	287 mOsm/kg ±10%
<b><u>Colour:</u></b>	Red, clear solution
<b><u>Storage conditions:</u></b>	+2 to +8° C, protected from light
<b><u>Shelf life:</u></b>	24 months
<b><u>Endotoxin:</u></b>	<1 EU/ml
<b><u>Composition:</u></b>	Display on website, available on request
<b><u>Sterility Tests</u></b>	Bacteria aerobic and anaerobic Fungi/yeast

**Recommended Use:**

- Respect storage conditions of the product
- Do not use the product after its expiry date
- Store product in an area protected from light (not necessary for saline solutions).
- Manipulate the product in aseptic conditions (e.g. : under laminar air flow)
- Wear clothes adapted to the manipulation of the product to avoid contamination (e.g. : gloves, mask, hygiene cap, overall...)
- Sterile supplements (serum,...) should be aseptically added to sterile medium. The nature of the supplements may affect storage conditions and shelf life of the medium.

The product is intended to be used in vitro, in laboratory only. Do not use it in therapy, human or veterinary applications.

## **Applications**

Long term cultivation of cells required addition of a serum. When properly supplemented, Medium 199 can be used with a broad range of species particularly for cultivation of non-transformed cells. It is widely used in virology, vaccine production and in vitro cultivation of primary explants of mouse pancreatic epithelial and rat lens tissues.

## **Uses**

Add 3.4 ml/l of L-Glutamine 200 mM (CAT N° : XC-T1715) before using this medium.

Biosera recommends the addition of 10% Foetal Bovine Serum in the medium.

## **Indication of Deterioration:**

Medium should be clear and free of particulate and flocculent material. Do not use if the medium is cloudy or contains precipitate.

Other evidence of deterioration may include colour change or degradation of physical or performance characteristics.