

## Technical Data Sheet

12/07/2017

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### MEM w/ Earle's Salts w/o L-Glutamine w/ NEAA

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Product code :  
LM-E1142

<b><u>Theoretical pH:</u></b>	7.3 ± 0.3
<b><u>Osmolality:</u></b>	290 ± 10% mOsm/kg
<b><u>Colour:</u></b>	Clear orange – red solution
<b><u>Storage conditions:</u></b>	2 to 8° C. Protect from light
<b><u>Shelf life:</u></b>	24 months
<b><u>Endotoxin:</u></b>	<1 EU/ml
<b><u>Sterility Tests</u></b>	- Bacteria in aerobic and anaerobic conditions - Fungi and yeasts

### **Cell growth test**

Medium tested for the ability to support L929 cell growth.

### **Composition**

Available upon request

### **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...)

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

## **Applications:**

Minimum Essential Medium (MEM) with Earle's Balanced Salts is a modification of Eagle's earlier medium Basal Medium Eagle (BME), containing higher concentrations of the essential nutrients. These media have demonstrated the ability to support a variety of normal and transformed cells in culture and contain Earle's Balanced Salts, which make them suitable for use in atmospheres charged with CO<sub>2</sub> gas.

This medium contains also non essential amino acids which allow an optimal cell growth.

## **Uses:**

Supplements, such as antibiotics, should be added as sterile supplements to the medium.

Storage conditions and shelf-life of supplemented product will be affected by the nature of the supplements. Sterile serum should not be re-filtered before or after being added to sterile medium because growth promoting capacity may be reduced upon re-filtration.

Add 10 ml/l of L-Glutamine 200 mM before using this medium.

BioSERA also recommend the addition of 10% of Foetal Bovine Serum in the medium.

## **Indication of Deterioration:**

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

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