Technical Data Sheet Date: 31/10/12

Product Code: LM-E1145
Description: MEM w/ Earle's Salts w/o L-Glutamine w/ 25mM Hepes

Theoretical pH:	7.3 ± 0.3
Osmolality:	271 ± 10% mOsm/kg
Colour:	Clear orange – red solution
Storage conditions:	2 to 8º C. Protect from light
Shelf life:	24 months
Endotoxin:	<1 EU/ml
Sterility Tests	- 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:

Use aseptic techniques when handling this medium.
Product is provided for laboratory use only, and not for drug, human or veterinary use.

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_2 gas.

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 refiltered 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 (CAT N° XC-T1715) 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.