

Technical Data Sheet

12/07/2017

Basal Medium Eagle w/ Earle's Salts w/o L-Glutamine

Product code :
LM-B1001

<u>Theoretical pH</u> :	7.3 ± 0.3
<u>Osmolality</u> :	284 mOsm/kg ±10 %
<u>Colour</u> :	Clear red orange solution
<u>Storage conditions</u> :	+2°C to +8°C in the dark
<u>Shelf life</u> :	24 months
<u>Sterility tests</u> :	<ul style="list-style-type: none"> - Bacteria in aerobic and anaerobic conditions - Fungi and yeasts
<u>Endotoxin</u> :	< 1 EU/ml (<0.1 ng/ml)

Cell growth test :
Medium tested for the ability to support Hela cell growth.

Composition :
Displayed on website and in catalog; also available on 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.

Description :

Basal Medium Eagle (BME), developed by Harry Eagle, is one of the most widely used of all synthetic cell culture media. There are several “basal” media described by Eagle that vary slightly from one another. The Tissue Culture Association recommends use of the name “Eagle’s Basal Medium” to describe only the formula developed to support HeLa cells. This basal medium formula was developed as a result of numerous studies carried out in the late 1950’s to determine the essential nutritional requirements and other factors critical to the growth of cells in culture. Historically, BME has been used in studies conducted to measure the growth response of normal (WI-38) and transformed (mouse and HeLa) cells in monolayer culture. BME, when properly supplemented, has demonstrated wide applicability, for supporting monolayer growth of a wide variety of normal and transformed cell lines. BME is the predecessor of Eagle’s Minimum Essential Medium (MEM) and Dulbecco’s Modified Eagle’s Medium (DME).

Uses :

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

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.

Signs 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.