
DMEM Ham's F12 w/o L-Glutamine, w/o Hepes, w/o Glucose

Product code :
LM-D1221

<u>Theoretical pH:</u>	7.4 ± 0.3
<u>Osmolarity:</u>	314 mOsm/l ±10%
<u>Colour:</u>	Red, clear solution
<u>Storage conditions:</u>	+2°C to +4° C in the dark
<u>Shelf life:</u>	24 months
<u>Endotoxin:</u>	<1 EU/ml
<u>Composition:</u>	Available on request
<u>Sterility Tests</u>	bacteria aerobic-anaerobic Bacteria, strictly anaerobic Fungi/yeast

Composition

Available upon request

Cell Growth Test

The medium is tested for the ability to support cell growth with HeLa Cell Line

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/Application

Studies to determine the nutritional requirements of many cell have been in progress since Eagle's first reports. The major essential nutrients were identified and work became focused on the media requirements on individual cell types. Many media designed for these purposes are now available. Among the first of these media, developed initially to study hormonal requirements of cells in culture, was a mixture of DMEM medium and Ham's F12 medium known as DMEM Ham's F12.

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 12.5ml/L of L-Glutamine 100X 200mM or 365mg/L of L-Glutamine powder before using this medium. A source of energy for the cells is also necessary to use this medium; add 3.151 g/l of D-Glucose

Indication of Deterioration:

Medium should be clear and free of flocculant 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.