ClearLine	Technical data sheet	Ref : 509042
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DMEM Ham's F12
w/o L-Glutamine w/o Hepes w/o Glucose

Storage conditions: +2°C to +8°C in the dark

Shelf life: 12 months

Composition: Displayed on website and in catalogue; also available on request.

Colour: Clear red solution

pH: 7.4 ± 0.3

Osmolality: 314 mOsm/kg ± 10 %

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 Hela cell growth.

Other tests: Not applicable

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 for research or further manufacturing only and not for use as an Active Pharmaceutical Ingredient or food or animal feed.

Application:
Studies to determine the nutritional requirements of many cells have been in progress since Eagle's first reports. The major essential nutrients were identified and work became focused on the media requirements of 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.
Add 12.5 ml/l of L-Glutamine 100X, 200mM (
P1012) 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 (

Signs of Deterioration:
Medium should be clear and free of particulate and flocculent material. Do not uses if medium is cloudy or contains precipitate.
Other evidences of deterioration may include colour change or degradation of physical or performance characteristics.

Remarks: Not applicable