Technical Data Sheet Date: 06/11/2012

Product Code: LM-D1223
Description: DMEM Ham's F12 w/ L- Glutamine w/ 15mM Hepes

Theoretical pH:	7.3 ± 0.3
Osmolality:	299 mOsm/kg ± 10%
Colour:	Clear red solution
Storage conditions:	2 to 8°C in the dark
Shelf life:	12 months
Endotoxin:	< 1 EU/ml
Composition:	Available on request
Sterility Tests	**-** Bacteria in aerobic and anaerobic conditions - Fungi and yeasts

Cell Growth Test
Medium tested for the ability to support Hela cell growth.

Recommended Use:

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

Description/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 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.

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.