

## Technical Data Sheet

Date: 25/03/2021

**Description:** DMEM Ham's F12 w/ L- Glutamine w/ 15mM Hepes

Product Code: LM-D1223

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