

DMEM Ham's F12
w/ L-Glutamine w/ 15mM Hepes**CAT N°** : L0093**Theoretical pH** : 7.3 ± 0.3**Osmolality** : 299 mOsm/kg ± 10 %**Colour** : Clear red solution**Storage conditions** : +2°C to +8°C in the dark**Shelf life** : 12 months**Sterility tests** :

- Bacteria in aerobic and anaerobic conditions
- Fungi and yeasts

Endotoxin : < 1 EU/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 :

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.

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.

Product code : L0093

Product name : DMEM - F12 w/ L-Glutamine w/ 15 mM Hepes

| CAS Number | Components | Quantity in g/l |
|------------|---|-----------------|
| 10035-04-8 | Calcium Chloride Dihydrate | 0.15450000 |
| 7791-18-6 | Magnesium Chloride Hexahydrate | 0.06120000 |
| 7487-88-9 | Magnesium Sulfate Anhydrous | 0.04884000 |
| 7758-99-8 | Cupric Sulfate Pentahydrate | 0.00000130 |
| 7782-61-8 | Ferric Nitrate Nonahydrate | 0.00005000 |
| 7782-63-0 | Ferrous Sulfate Heptahydrate | 0.00041700 |
| 7447-40-7 | Potassium Chloride | 0.31180000 |
| 7647-14-5 | Sodium Chloride | 6.99600000 |
| 7558-79-4 | Sodium Phosphate Dibasic Anhydrous | 0.07102000 |
| 7558-80-7 | Sodium Phosphate Monobasic Anhydrous | 0.05430000 |
| 7446-20-0 | Zinc Sulfate Heptahydrate | 0.00043200 |
| 50-99-7 | D-Glucose Anhydrous | 3.15100000 |
| 56-40-6 | Glycine | 0.01875000 |
| 56-41-7 | L-Alanine | 0.00445000 |
| 1119-34-2 | L-Arginine Monohydrochloride | 0.14750000 |
| 5794-13-8 | L-Asparagine Monohydrate | 0.00750000 |
| 56-84-8 | L-Aspartic acid | 0.00665000 |
| 7048-04-6 | L-Cysteine Monohydrochloride Monohydrate | 0.01756000 |
| 30925-07-6 | L-Cystine Dihydrochloride | 0.03129000 |
| 56-86-0 | L-Glutamic Acid | 0.00735000 |
| 56-85-9 | L-Glutamine | 0.36500000 |
| 5934-29-2 | L-Histidine Monohydrochloride Monohydrate | 0.03148000 |
| 73-32-5 | L-Isoleucine | 0.05447000 |
| 61-90-5 | L-Leucine | 0.05905000 |
| 657-27-2 | L-Lysine Monohydrochloride | 0.09125000 |
| 63-68-3 | L-Methionine | 0.01724000 |
| 63-91-2 | L-Phenylalanine | 0.03548000 |
| 147-85-3 | L-Proline | 0.01725000 |
| 56-45-1 | L-Serine | 0.02625000 |
| 72-19-5 | L-Threonine | 0.05345000 |
| 73-22-3 | L-Tryptophan | 0.00902000 |
| 69847-45-6 | L-Tyrosine Disodium Salt Dihydrate | 0.05579000 |
| 72-18-4 | L-Valine | 0.05285000 |
| 67-48-1 | Choline Chloride | 0.00898000 |
| 58-85-5 | D-Biotin | 0.00000350 |
| 137-08-6 | D-Ca Pantothenate | 0.00224000 |
| 59-30-3 | Folic Acid | 0.00266000 |
| 87-89-8 | Myo-Inositol | 0.01260000 |
| 98-92-0 | Nicotinamide (Nicotinic acid amide) | 0.00202000 |
| 65-22-5 | Pyridoxal Hydrochloride | 0.00200000 |
| 58-56-0 | Pyridoxine Hydrochloride | 0.00003100 |
| 83-88-5 | Riboflavin | 0.00021900 |
| 67-03-8 | Thiamine Hydrochloride | 0.00217000 |

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|------------|------------------------|-----------------|
| 68-19-9 | Vitamine B12 | 0.00068000 |
| 7365-45-9 | Hepes Free Acid | 3.57450000 |
| 68-94-0 | Hypoxanthine | 0.00210000 |
| 60-33-3 | Linoleic acid | 0.00004200 |
| 34487-61-1 | Phenol Red Sodium Salt | 0.00863000 |
| 333-93-7 | Putrescine+2HCL | 0.00008100 |
| 113-24-6 | Sodium Pyruvate | 0.05500000 |
| 1077-28-7 | Thioctic Acid | 0.00010500 |
| 50-89-5 | Thymidine | 0.00036500 |
| 144-55-8 | Sodium Bicarbonate | 1.20000000 |
| WATER | | 983.16638320 |