

Ham's F10 w/ L-Glutamine

CAT N° : L0140

Theoretical pH : 7.3 ± 0.3

Osmolality : 285 mOsm/kg $\pm 10 \%$

Colour : pink – orange, clear solution

Storage conditions : +2°C to +8°C

Shelf life : 12 months

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 cell growth with CHO-K1 line.

Composition : Displayed on website; 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.

Application :

Ham's medium were originally developed for the clonal growth of Chinese Hamster Ovary (CHO) cells, lung cells and mouse L-cells, with or without serum supplementation depending the cells type. Ham's F10 is a medium of choice for supporting the growth of human diploid cells, white blood cells for chromosomal analysis, primary explants of rat, rabbit and chicken tissues.

Utilisation :

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.

Indications 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.

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CAS Number	Components	Quantity in g/l
10035-04-8	Calcium Chloride Dihydrate	0.04410000
7487-88-9	Magnesium Sulfate Anhydrous	0.07464000
7758-99-8	Cupric Sulfate Pentahydrate	0.00000250
7782-63-0	Ferrous Sulfate Heptahydrate	0.00083400
7447-40-7	Potassium Chloride	0.28500000
7778-77-0	Potassium Phosphate Monobasic Anhydrous	0.08300000
7647-14-5	Sodium Chloride	7.40000000
7558-79-4	Sodium Phosphate Dibasic Anhydrous	0.15370000
7446-20-0	Zinc Sulfate Heptahydrate	0.00002880
50-99-7	D-Glucose Anhydrous	1.10000000
56-40-6	Glycine	0.00751000
56-41-7	L-Alanine	0.00900000
1119-34-2	L-Arginine Monohydrochloride	0.21100000
5794-13-8	L-Asparagine Monohydrate	0.01501000
56-84-8	L-Aspartic acid	0.01330000
7048-04-6	L-Cysteine Monohydrochloride Monohydrate	0.03500000
56-86-0	L-Glutamic Acid	0.01470000
56-85-9	L-Glutamine	0.14600000
5934-29-2	L-Histidine Monohydrochloride Monohydrate	0.02100000
73-32-5	L-Isoleucine	0.00260000
61-90-5	L-Leucine	0.01310000
657-27-2	L-Lysine Monohydrochloride	0.02930000
63-68-3	L-Methionine	0.00448000
63-91-2	L-Phenylalanine	0.00496000
147-85-3	L-Proline	0.01150000
56-45-1	L-Serine	0.01050000
72-19-5	L-Threonine	0.00357000
73-22-3	L-Tryptophan	0.00060000
69847-45-6	L-Tyrosine Disodium Salt Dihydrate	0.00261000
72-18-4	L-Valine	0.00350000
67-48-1	Choline Chloride	0.00069800
58-85-5	D-Biotin	0.00002400
137-08-6	D-Ca Pantothenate	0.00071500
59-30-3	Folic Acid	0.00132000
87-89-8	Myo-Inositol	0.00054100
98-92-0	Nicotinamide (Nicotinic acid amide)	0.00061500
58-56-0	Pyridoxine Hydrochloride	0.00020600
83-88-5	Riboflavin	0.00037600
67-03-8	Thiamine Hydrochloride	0.00100000
68-19-9	Vitamine B12	0.00136000
68-94-0	Hypoxanthine	0.00408000
34487-61-1	Phenol Red Sodium Salt	0.00130000
113-24-6	Sodium Pyruvate	0.11000000

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1077-28-7	Thioctic Acid	0.00021000
50-89-5	Thymidine	0.00073000
144-55-8	Sodium Bicarbonate	1.20000000
WATER		988.97627970