

Ham's F12 Medium

Cell Culture Media



Product Description

Ham's F-12 is formulated for demanding cells requiring trace elements, lipids, and higher nutrient levels. Ideal for serum-supplemented or serum-free protocols, it supports primary cultures, CHO cells, and other sensitive lines. Its composition makes it an excellent choice for developmental biology, metabolic studies, and custom-defined culture systems.

Specifications

Product	Ham's F12 Medium
SKU (Powder)	61750
SKU (Liquid)	61700
Appearance	Transparent Liquid
pH	7.0 - 7.6
Osmolality (mOsm/kg)	282 - 312
Sterility	Pass
Endotoxin (EU/ml)	<2

Packaging

Format	Sizes
Liquid	Bottle (500ml & 1L) Bags (200L)
Powder	100g, 20 KG

*Additional sizes available upon request
Inquire for disposable bag information including material of construction, designs and L&E*

Shelf Life

A 12-month shelf life has been assigned for cell culture media based on alignment with industry-standard shelf designations for classical media formulations of similar composition. Internal stability studies are being conducted to confirm shelf life for Liquid and DPM.

Storage

Dry powder and liquid media should be stored at 2-8 °C, protected from the light.
For Research Use or Further Manufacturing Only

Ham's F12 Base Formula

No.	Component	CAS No.	g/L (+/- 2%)
1	GLYCINE	56-40-6	0.0075
2	L-ALANINE	56-41-7	0.0089
3	L-ARGININE-HCL	1119-34-2	0.211
4	L-ASPARAGINE-H2O	5794-13-8	0.01501
5	L-ASPARTIC ACID	56-84-8	0.0133
6	L-CYSTEINE HCL H2O	1880366	0.03512
7	L-GLUTAMIC ACID	56-86-0	0.0147
8	L-HISTIDINE-HCL-H2O	5934-29-2	0.021
9	L-ISOLEUCINE	73-32-5	0.004
10	L-LEUCINE	61-90-5	0.0131
11	L-LYSINE-HCL	657-27-2	0.0365
12	L-METHIONINE	63-68-3	0.0045
13	L-PHENYLALANINE	63-91-2	0.005
14	L-PROLINE	147-85-3	0.0345
15	L-SERINE	56-45-1	0.0105
16	L-THREONINE	72-19-5	0.0119
17	L-TRYPTOPHAN	73-22-3	0.00204
18	L-TYROSINE-2NA-2H2O	122666-87-9	0.00781
19	L-VALINE	72-18-4	0.0117
20	D-BIOTIN	58-85-5	0.000073
21	CHOLINE CHLORIDE	67-48-1	0.014
22	CALCIUM D-PANTOTHENATE	0137-08-06	0.0005
23	FOLIC ACID	59-30-3	0.0013
24	NIACINAMIDE (NICOTINAMIDE)	98-92-0	0.000036
25	PYRIDOXINE-HCL	58-56-0	0.00006
26	RIBOFLAVIN	83-88-5	0.000037
27	THIAMINE-HCL	67-03-8	0.0003
28	VITAMIN B12 (CYANOCOBALAMIN)	68-19-9	0.0014
29	MYO-INOSITOL	87-89-8	0.018
30	CALCIUM CHLORIDE (ANHY)	10043-52-4	0.03322
31	COPPER SULFATE PENTAHYDRATE	7758-99-8	0.0000025
32	FERROUS SULFATE-7H2O	7782-63-0	0.000834
33	MAGNESIUM CHLORIDE (ANHY)	7786-30-3	0.05722
34	POTASSIUM CHLORIDE	7447-40-7	0.2236
35	SODIUM BICARBONATE	144-55-8	1.176
36	SODIUM CHLORIDE	7647-14-5	7.599
37	SODIUM PHOSPHATE DIBASIC (ANHY)	7558-79-4	0.142
38	ZINC SULFATE-7H2O	7446-20-0	0.000863
39	GLUCOSE	50-99-7	1.802
40	HYPOXANTHINE-NA	45738-97-4	0.00477
41	LINOLEIC ACID	60-33-3	0.000084
42	DL-ALPHA-LIPOIC ACID	1077-28-7	0.00021
43	PHENOL RED-NA	34487-61-1	0.0012
44	PUTRESCINE-2HCL	333-93-7	0.000161
45	SODIUM PYRUVATE	113-24-6	0.11
46	THYMIDINE SYNTHETIC	50-89-5	0.0007
	Total		11.66

Contact info@phb1.com to request a sample or quote



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