



DMEM:Ham's F12

Order Number: 820400a / MG-40a
500 ml

Concentration:	mg/l		mg/l
<u>Inorganic salts</u>		<u>Vitamins</u>	
CaCl ₂	116	d-Biotin	0.00
CuSO ₄ · 5 H ₂ O	0.00	Choline chloride	8.98
Na ₂ H ₂ PO ₄ · 7 H ₂ O	134	D-Pantothenic acid, calcium salt	2.12
Fe(NO ₃) ₃ · 9 H ₂ O	0.05	Folic acid	2.66
FeSO ₄ · 7H ₂ O	0.42	Myo-inositol	12.51
MgCl ₂ · 6H ₂ O	61	Nicotinamide	2.02
Mg SO ₄ · 7 H ₂ O	100	Vitamin B1 · HCl	2.17
KCl	311.8	Vitamin B2	0.22
NaCl	6999.5	Vitamin B6 · HCl	2.03
NaH ₂ PO ₄ · H ₂ O	62.5	Vitamin B12	0.68
NaHCO ₃	1200		
ZnSO ₄ · 7H ₂ O	0.43		
<u>Amino Acids</u>		<u>Other Components</u>	
Glycine	18.76	1,4-Diaminobutane · 2HCl	0.08
L-Alanine	4.46	D(+)-Glucose	3151
L-Arginine · HCl	147.35	DL-α-Lipoic acid	0.10
L-Asparagine H ₂ O	7.5	Hypoxanthine	2.04
L-Aspartic acid	6.66	Phenol Red · Na	8.0
L-Cysteine · HCl · H ₂ O	17.56	Sodium pyruvate	110.00
L-Cystine	24	Thymidine	0.36
L-glutamic acid	7.36	Linoleic acid	0.04
L-Histidine · HCl · H ₂ O	31.48		
L-Isoleucine	54.37	stable L-Glutamine	365.1
L-Leucine	58.96		
L-Lysine · HCl	91.37		
L-Methionine	17.24		
L-Phenylalanine	35.48		
L-Proline	17.27		
L-Serine	26.26		
L-Threonine	53.56		
L-Tryptophan	9.02		
L-Tyrosine	38.72		
L-Valine	52.66		

In case FBS was added, the concentrations given above need to be reduced by 5%.

Maintenance

Immediately after delivery, store the medium at 4°C to 8° C in the dark. Do not heat the medium over 37°C or use uncontrollable sources of heat (e.g. microwave appliances). If only a part of the medium is to be used, remove this amount from the bottle and warm it up. Do not freeze the medium. This can result in high salt concentrations by freezing out pure water which will cause irreversible damage.

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES.

