

CORNING

Ham's F-12 Medium Formulation

Cat. No.	10-080
Description	Liquid, 1x
Units	mg/L

Components	
<i>Inorganic Salts</i>	
CaCl ₂ (anhydrous)	33.3
FeSO ₄ • 7H ₂ O	0.834
KCl	223.6
CuSO ₄ (anhydrous)	0.0016
MgSO ₄ (anhydrous)	72.2
NaCl	7,600
Na ₂ HPO ₄ (anhydrous)	142
NaHCO ₃	1176
ZnSO ₄ • 7H ₂ O	0.863
<i>Amino Acids</i>	
L-Alanine	8.9
L-Arginine • HCl	211
L-Asparagine • H ₂ O	15
L-Aspartic acid	13.3
L-Cysteine • HCl • H ₂ O	35.12
L-Glutamic acid	14.7
L-glutamine	146.2
Glycine	7.5
L-Histidine • HCl • H ₂ O	20.96
L-Isoleucine	3.94
L-Leucine	13.1
L-lysine • HCl	36.5
L-Methionine	4.48
L-Phenylalanine	4.96
L-Proline	34.5
L-Serine	10.5
L-Threonine	11.9
L-Tryptophan	2.04
L-Tyrosine • 2Na • 2H ₂ O	7.84
L-Valine	11.7
<i>Vitamins</i>	
Biotin	0.0073
D-Ca-Pantothenate	0.48
Choline Chloride	13.96
Folic Acid	1.3
<i>i</i> -Inositol	18.02
Nicotinamide	0.037
Pyridoxine • HCl	0.062
Riboflavin	0.038
Thiamine • HCl	0.34
Vitamin B12	1.36

<i>Other</i>	
Dextrose	1802
Hypoxanthine, Sodium	4.77
DL-Thioctic (lipoic) acid	0.21
Methyl Lineoleate	0.088
Phenol Red, Sodium	1.2
Putrescine*2HCl	0.16
Sodium Pyruvate	110
Thymidine	0.73
HEPES	--

Add	
NaHCO ₃	
Powder (g/L)	--
7.5% Solution (mL/L)	--
L-glutamine	
Powder (mg/L)	--
200 mM Solution (mL/L)	--

"--" indicates not present

For more specific information on claims, visit the Certificates page at www.corning.com/lifesciences.

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