

DMEM/F12 powder medium ingredient formula (mg/L)

Ingredient \ Cat. No.	EP-CM-P0113
Inorganic salt	
CaCl ₂ (Anhydrous)	116.6
CuSO ₄ •5H ₂ O	0.0013
Fe(NO ₃) ₃ •9H ₂ O	0.05
FeSO ₄ •7H ₂ O	0.417
MgCl ₂ (Anhydrous)	28.64
MgSO ₄ (Anhydrous)	48.84
KCl	311.8
NaHCO ₃	–
NaCl	6995.5
Na ₂ HPO ₄ (Anhydrous)	71.02
NaH ₂ PO ₄ (Anhydrous)	54.3
ZnSO ₄ •7H ₂ O	0.432
Amino acid	
Glycine	18.75
L-Alanine	4.45
L-Arginine monohydrochloride	147.5
L-Asparagine monohydrate	7.5
L-Aspartic acid	6.65
L-Cysteine hydrochloride monohydrate	17.56
L-Cystine dihydrochloride	31.29
L-Glutamic acid	7.35
L-Glutamine	365
L-Histidine hydrochloride monohydrate	31.48
L-Isoleucine	54.47
L-Leucine	59.05
L-Lysine monohydrochloride	91.25
L-Methionine	17.24
L-Phenylalanine	35.48
L-Proline	17.25
L-Serine	26.25
L-Threonine	53.45
L-Tryptophan	9.02
L-Tyrosine disodium salt dihydrate	55.79
L-Valine	52.85

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Vitamin	
Biotin	0.0035
Choline chloride	8.98
D-Calcium pantothenate	2.24
Folic acid	2.65
Niacinamide	2.02
Pyridoxine hydrochloride	2
Riboflavin	0.219
Thiamine hydrochlorid	2.17
Vitamin B12	0.68
Meso-inositol	12.6
D-Glucose	3151
HEPES	–
Hypoxanthine sodium salt	2.39
Linoleic acid	0.042
ZnSO4	0.105
Phenol red	8.1
Putrescine dihydrochloride	0.081
Sodium pyruvate	55
Thymidine	0.365