

	DMEM/F12, w phenol red Composition	Cat No. BR-E51
INGRIDIENT	mg / L	
AMINO ACID		
L-Alanine	4.5	
L-Arginine • HCl	147.5	
L-Asparagine • H ₂ O	7.5	
L-Aspartic Acid	6.7	
L-Cysteine • HCl • H ₂ O	17.6	
L-Cystine • 2HCl	31.3	
Glycine	18.8	
L-Glutamic Acid	7.4	
L-Glutamine	365.0	
L-Histidine • HCl • H ₂ O	31.5	
L-Isoleucine	54.5	
L-Leucine	59.1	
L-Lysine • HCl	91.3	
L-Methionine	17.2	
L-Phenylalanine	35.5	
L-Proline	17.3	
L-Serine	26.3	
L-Threonine	53.5	
L-Tryptophan	9.0	
L-Tyrosine • 2Na • 2H ₂ O	55.8	
L-Valine	52.9	
VITAMINS		
D-Biotin	0.0035	
Choline Chloride	8.98	
D-Pantothenate Acid Calcium Salt	2.24	
Folic Acid	2.65	
Niacinamide	2.02	
Pyridoxine • HCl	2	
Riboflavin	0.219	
Thiamine • HCl	2.17	
Vitamin B12	0.68	
i-Inositol	12.6	
INORGANIC SALTS		
Calcium Chloride (CaCl ₂)	116.6	
Cupric sulfate • 5H ₂ O (CuSO ₄ • 5H ₂ O)	0.0013	
Ferric Nitrate • 9H ₂ O (Fe(NO ₃) ₃ • 9H ₂ O)	0.05	
Ferric sulfate • 7H ₂ O (FeSO ₄ • 7H ₂ O)	0.417	
Magnesium Chloride (MgCl ₂)	28.6	
Magnesium Sulfate (MgSO ₄)	48.8	
Potassium Chloride (KCl)	311.8	
Sodium Chloride (NaCl)	6996	
Sodium Phosphate Dibasic (Na ₂ HPO ₄)	71.02	
Sodium Dihydrogen Phosphate	62.5	
Zinc Sulfate • 7H ₂ O	0.43	
Sodium Bicarbonate (NaHCO ₃)	2438	
OTHER COMPONENTS		
D-Glucose	3151	
HEPES	0	
Hypoxanthine • Na	2.4	
Linoleic Acid	0.042	
Lipoic Acid	0.105	
Phenol Red • Na	8.1	
Putrescine • 2HCl	0.081	
Sodium Pyruvate	55	
Thymidine	0.365	