



Technical Resources

A14430 - DMEM, no glucose, no phenol red, no glutamine

Catalog Number(s)

Components	Molecular Weight	Concentration (mg/L)	mM
Amino Acids			
Glycine	75.0	30.0	0.4
L-Arginine hydrochloride	211.0	84.0	0.39810428
L-Cystine 2HCl	313.0	63.0	0.20127796
L-Histidine hydrochloride-H2O	210.0	42.0	0.2
L-Isoleucine	131.0	105.0	0.8015267
L-Leucine	131.0	105.0	0.8015267
L-Lysine hydrochloride	183.0	146.0	0.7978142
L-Methionine	149.0	30.0	0.20134228
L-Phenylalanine	165.0	66.0	0.4
L-Serine	105.0	42.0	0.4
L-Threonine	119.0	95.0	0.79831934
L-Tryptophan	204.0	16.0	0.078431375
L-Tyrosine disodium salt dihydrate	261.0	104.0	0.39846742
L-Valine	117.0	94.0	0.8034188
Vitamins			
Choline chloride	140.0	4.0	0.028571429
D-Calcium pantothenate	477.0	4.0	0.008385744
Folic Acid	441.0	4.0	0.009070295
Niacinamide	122.0	4.0	0.032786883
Pyridoxine hydrochloride	204.0	4.0	0.019607844
Riboflavin	376.0	0.4	0.0010638298
Thiamine hydrochloride	337.0	4.0	0.011869436

Components	Molecular Weight	Concentration (mg/L)	mM
i-Inositol	180.0	7.2	0.04
Inorganic Salts			
Calcium Chloride (CaCl2) (anhyd.)	111.0	200.0	1.8018018
Ferric Nitrate (Fe(NO3)3*9H2O)	404.0	0.1	2.4752476E-4
Magnesium Sulfate (MgSO4) (anhyd.)	120.0	97.67	0.8139166
Potassium Chloride (KCl)	75.0	400.0	5.3333335
Sodium Bicarbonate (NaHCO3)	84.0	3700.0	44.04762
Sodium Chloride (NaCl)	58.0	6400.0	110.344826
Sodium Phosphate monobasic (NaH2PO4-H2O)	138.0	125.0	0.9057971

Reference:

1. Dulbecco, R. and Freeman, G. (1959) Virology 8:396.

Related Products:

11885 - DMEM, low glucose, pyruvate

Cat No: 11885076 , 11885076 , 11885084 , 11885084 , 11885092 , 11885092

11966 - DMEM, no glucose

Cat No: 11966025

12320 - DMEM, low glucose, pyruvate, HEPES

Cat No: 12320032

31600 - DMEM, powder, low glucose, pyruvate

Cat No: 31600034 , 31600083 , 31600091

31885 - DMEM, low glucose, pyruvate

Cat No: 31885023 , 31885049

22320 - DMEM, low glucose, pyruvate, HEPES

Cat No: 22320022