

CORNING

AMEM (Alpha Modification of Eagle's Medium)

Formulations

Cat. No.	10-022	15-012	50-012
Description	Liquid, 1x	Liquid, 1x	Powder
Units	mg/L	mg/L	mg/L
Components			
Inorganic Salts			
CaCl ₂ (anhydrous)	200.00	200.00	200.00
KCl	400.00	400.00	400.00
MgSO ₄ (anhydrous)	97.70	97.70	97.70
NaCl	6800.00	6800.00	6800.00
NaH ₂ PO ₄ • H ₂ O	140.00	140.00	140.00
NaHCO ₃	2200.00	2200.00	--
Amino Acids			
L-Alanine	25.00	25.00	25.00
L-Arginine • HCl	126.40	126.40	126.40
L-Asparagine • H ₂ O	50.00	50.00	50.00
L-Aspartic acid	30.00	30.00	30.00
L-Cysteine • HCl • H ₂ O	100.00	100.00	100.00
L-Cystine • 2HCl	31.20	31.20	31.20
L-Glutamic acid	75.00	75.00	75.00
L-Glutamine	292.00	--	292.00
Glycine	50.00	50.00	50.00
L-Histidine • HCl • H ₂ O	41.90	41.90	41.90
L-Isoleucine	52.50	52.50	52.50
L-Leucine	52.50	52.50	52.50
L-Lysine • HCl	72.50	72.50	72.50
L-Methionine	15.00	15.00	15.00
L-Phenylalanine	32.50	32.50	32.50
L-Proline	40.00	40.00	40.00
L-Serine	25.00	25.00	25.00
L-Threonine	47.60	47.60	47.60
L-Tryptophan	10.00	10.00	10.00
L-Tyrosine • 2Na • 2H ₂ O	51.90	51.90	51.90
L-Valine	46.80	46.80	46.80
Vitamins			
Ascorbic acid	50.00	50.00	50.00
Biotin	0.10	0.10	0.10
D-Calcium pantothenate	1.00	1.00	1.00
Choline chloride	1.00	1.00	1.00
Folic acid	1.00	1.00	1.00
D-Inositol	2.00	2.00	2.00
Nicotinamide	1.00	1.00	1.00
Pyridoxine • HCl	1.00	1.00	1.00
Riboflavin	0.10	0.10	0.10
Thiamine • HCl	1.00	1.00	1.00
Vitamin B12	1.36	1.36	1.36

Components (continued)	(10-022)	(15-012)	(50-012)
Other			
D-Glucose	1000.00	1000.00	1000.00
Lipoic acid	0.20	0.20	0.20
Phenol red • Na	10.00	10.00	10.00
Sodium pyruvate	110.00	110.00	110.00
Nucleosides			
Thymidine	10.00	--	--
Adenosine	10.00	--	--
Cytidine	10.00	--	--
Guanosine	10.00	--	--
Uridine (anhydrous)	10.00	--	--
2'-Deoxyadenosine • H ₂ O	10.00	--	--
2'-Deoxycytidine • HCl	11.00	--	--
2'-Deoxyguanosine • H ₂ O	10.00	--	--
Add			
NaHCO ₃ Powder (g/L)	--	--	2.20
7.5% Solution (mL/L)	--	--	29.33
L-Glutamine Powder (mg/L)	--	292.00	292.00
200 mM Solution (mL/L)	--	10.00	10.00



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