

E-MEM				G-MEM	MEMa		
Code No.	051-07615	056-08385	055-08975	078-05525	135-15175	137-17215	134-17225
L-Glutamine	●	-	●	●	●	●	●
Phenol Red	●	●	●	●	●	●	-
Sodium Pyruvate	-	-	●	-	●	●	●
HEPES	-	-	-	-	-	-	-
Components	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Inorganic components:							
CaCl ₂ (anhyd.)	200.00	200.00	200.00	200.00	200.00	200.00	200.00
KCl	400.00	400.00	400.00	400.00	400.00	400.00	400.00
MgSO ₄ (anhyd.)	98.00	98.00	97.67	97.67	98.00	98.00	98.00
NaCl	6,800.00	6,800.00	6,800.00	6,400.00	6,800.00	6,800.00	6,800.00
NaHCO ₃	2,200.00	2,200.00	1,500.00	2,750.00	2,200.00	2,200.00	2,200.00
NaH ₂ PO ₄ (anhyd.)	121.74	121.74	121.72	107.82	121.73	121.73	121.73
Trace elements:							
Fe(NO ₃) ₃ 9H ₂ O	-	-	-	0.10	-	-	-
Amino acids:							
L-Alanine	-	9.00	8.90	-	25.00	25.00	25.00
L-Arginine HCl	126.00	126.00	126.40	42.00	127.00	127.00	127.00
L-Asparagine H ₂ O	-	13.00	15.00	-	50.00	50.00	50.00
L-Aspartic Acid	-	13.00	13.30	-	30.00	30.00	30.00
L-Cystine	23.78	23.78	23.93	24.01	23.78	23.78	23.78
L-Cysteine HCl H ₂ O	-	-	-	-	100.00	100.00	100.00
L-Glutamic Acid	-	15.00	14.70	-	75.00	75.00	75.00
L-Glutamine	292.00	-	292.00	292.00	292.00	292.00	292.00
Glycine	-	8.00	7.50	-	50.00	50.00	50.00
L-Histidine HCl H ₂ O	42.00	42.00	41.90	21.00	42.00	42.00	42.00
L-Isoleucine	52.00	52.00	52.50	52.00	52.00	52.00	52.00
L-Leucine	52.00	52.00	52.50	52.00	52.00	52.00	52.00
L-Lysine HCl	72.50	72.50	72.50	73.00	73.00	73.00	73.00
L-Methionine	15.00	15.00	15.00	15.00	15.00	15.00	15.00
L-Phenylalanine	32.00	32.00	32.50	33.00	32.00	32.00	32.00
L-Proline	-	12.00	11.50	-	40.00	40.00	40.00
L-Serine	-	11.00	10.50	-	25.00	25.00	25.00
L-Threonine	48.00	48.00	47.60	47.60	48.00	48.00	48.00
L-Tryptophan	10.00	10.00	10.00	8.00	10.00	10.00	10.00
L-Tyrosine	36.00	36.00	36.00	36.21	35.79	35.79	35.79
L-Valine	46.00	46.00	46.80	46.80	46.00	46.00	46.00
Vitamins:							
Sodium Ascorbate	-	-	-	-	50.00	50.00	50.00
D-Biotin	-	-	-	-	0.10	0.10	0.10
D-1/2Ca Pantothenate	1.00	1.00	1.00	2.00	1.00	1.00	1.00
Choline Chloride	1.00	1.00	1.00	2.00	1.00	1.00	1.00
Folic Acid	1.00	1.00	1.00	2.00	1.00	1.00	1.00
i-Inositol	2.00	2.00	2.00	3.60	2.00	2.00	2.00
Niacinamide	1.00	1.00	1.00	2.00	1.00	1.00	1.00
Pyridoxal HCl	1.00	1.00	1.00	2.00	1.00	1.00	1.00
Riboflavin	0.10	0.10	0.10	0.20	0.10	0.10	0.10
Thiamine HCl	1.00	1.00	1.00	2.00	1.00	1.00	1.00
Vitamin B ₁₂	-	-	-	-	1.40	1.40	1.40
Other components:							
D-Glucose	1,000.00	1,000.00	1,000.00	4,500.00	1,000.00	1,000.00	1,000.00
Phenol Red	10.00	10.00	9.42	15.00	10.00	10.00	-
Sodium Pyruvate	-	-	110.00	-	110.00	110.00	110.00
Lipoic Acid	-	-	-	-	0.20	0.20	0.20
Thymidine	-	-	-	-	-	10.00	10.00
HEPES	-	-	-	-	-	-	-
Adenosine	-	-	-	-	-	10.00	10.00
Cytidine	-	-	-	-	-	10.00	10.00
Guanosine	-	-	-	-	-	10.00	10.00
Uridine	-	-	-	-	-	10.00	10.00
2'-Deoxyadenosine H ₂ O	-	-	-	-	-	10.72	10.72
2'-Deoxycytidine HCl	-	-	-	-	-	11.00	11.00
2'-Deoxyguanosine H ₂ O	-	-	-	-	-	10.67	10.67