

Code No.	E-MEM		MEM α			RPMI-1640				
	051-07615	056-08385	135-15175	137-17215	134-17225	189-02025 187-02021	189-02145	187-02705	186-02155	183-02165
L-Glutamine	●	●	●	●	●	●	●	●	●	-
Phenol Red	●	●	●	●	-	●	●	●	-	●
Sodium Pyruvate	-	-	●	●	●	-	-	●	-	-
HEPES	-	-	-	-	-	-	●	●	-	-
Components	(mg/L)	(mg/L)	(mg/L)	(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	-	-	-	-	-
Ca(NO ₃) ₂ ·4H ₂ O	-	-	-	-	-	100.00	100.00	100.00	100.00	100.00
KCl	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00
MgSO ₄ (anhyd.)	98.00	98.00	98.00	98.00	98.00	48.84	48.84	48.84	48.84	48.84
NaCl	6,800.00	6,800.00	6,800.00	6,800.00	6,800.00	6,000.00	5,500.00	6,000.00	6,000.00	6,000.00
NaHCO ₃	2,200.00	2,200.00	2,200.00	2,200.00	2,200.00	2,000.00	2,000.00	1,500.00	2,000.00	2,000.00
Na ₂ HPO ₄ (anhyd.)	-	-	-	-	-	800.00	800.00	800.00	800.00	800.00
NaH ₂ PO ₄ (anhyd.)	121.74	121.74	121.73	121.73	121.73	-	-	-	-	-
Amino acids:										
L-Alanine	-	9.00	25.00	25.00	25.00	-	-	-	-	-
L-Arginine	-	-	-	-	-	200.00	200.00	200.00	200.00	200.00
L-Arginine HCl	126.00	126.00	127.00	127.00	127.00	-	-	-	-	-
L-Asparagine H ₂ O	-	13.00	50.00	50.00	50.00	56.82	56.82	56.82	56.82	56.82
L-Aspartic Acid	-	13.00	30.00	30.00	30.00	20.00	20.00	20.00	20.00	20.00
L-Cystine	23.78	23.78	23.78	23.78	23.78	49.84	49.84	50.02	49.84	49.84
L-Cysteine HCl H ₂ O	-	-	100.00	100.00	100.00	-	-	-	-	-
L-Glutamic Acid	-	15.00	75.00	75.00	75.00	20.00	20.00	20.00	20.00	20.00
L-Glutamine	292.00	-	292.00	292.00	292.00	300.00	300.00	300.00	300.00	-
Glycine	-	8.00	50.00	50.00	50.00	10.00	10.00	10.00	10.00	10.00
L-Histidine	-	-	-	-	-	15.00	15.00	15.00	15.00	15.00
L-Histidine HCl H ₂ O	42.00	42.00	42.00	42.00	42.00	-	-	-	-	-
L-Hydroxyproline	-	-	-	-	-	20.00	20.00	20.00	20.00	20.00
L-Isoleucine	52.00	52.00	52.00	52.00	52.00	50.00	50.00	50.00	50.00	50.00
L-Leucine	52.00	52.00	52.00	52.00	52.00	50.00	50.00	50.00	50.00	50.00
L-Lysine HCl	72.50	72.50	73.00	73.00	73.00	40.00	40.00	40.00	40.00	40.00
L-Methionine	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
L-Phenylalanine	32.00	32.00	32.00	32.00	32.00	15.00	15.00	15.00	15.00	15.00
L-Proline	-	12.00	40.00	40.00	40.00	20.00	20.00	20.00	20.00	20.00
L-Serine	-	11.00	25.00	25.00	25.00	30.00	30.00	30.00	30.00	30.00
L-Threonine	48.00	48.00	48.00	48.00	48.00	20.00	20.00	20.00	20.00	20.00
L-Tryptophan	10.00	10.00	10.00	10.00	10.00	5.00	5.00	5.00	5.00	5.00
L-Tyrosine	36.00	36.00	35.79	35.79	35.79	20.00	20.00	20.00	20.00	20.00
L-Valine	46.00	46.00	46.00	46.00	46.00	20.00	20.00	20.00	20.00	20.00
Vitamins:										
p-Aminobenzoic Acid	-	-	-	-	-	1.00	1.00	1.00	1.00	1.00
Sodium Ascorbate	-	-	50.00	50.00	50.00	-	-	-	-	-
D-Biotin	-	-	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20
D-1/2Ca Pantothenate	1.00	1.00	1.00	1.00	1.00	0.25	0.25	0.25	0.25	0.25
Choline Chloride	1.00	1.00	1.00	1.00	1.00	3.00	3.00	3.00	3.00	3.00
Folic Acid	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
i-Inositol	2.00	2.00	2.00	2.00	2.00	35.00	35.00	35.00	35.00	35.00
Niacinamide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Pyridoxal HCl	1.00	1.00	1.00	1.00	1.00	-	-	-	-	-
Pyridoxine HCl	-	-	-	-	-	1.00	1.00	1.00	1.00	1.00
Riboflavin	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20
Thiamine HCl	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Vitamin B ₁₂	-	-	1.40	1.40	1.40	0.005	0.005	0.005	0.005	0.005
Other components:										
D-Glucose	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	2,000.00	2,000.00	4,500.00	2,000.00	2,000.00
Phenol Red	10.00	10.00	10.00	10.00	-	5.00	5.00	5.00	-	5.00
Sodium Pyruvate	-	-	110.00	110.00	110.00	-	-	110.00	-	-
Glutathione (reduced)	-	-	-	-	-	1.00	1.00	1.00	1.00	1.00
Lipoic Acid	-	-	0.20	0.20	0.20	-	-	-	-	-
Thymidine	-	-	-	10.00	10.00	-	-	-	-	-
HEPES	-	-	-	-	-	-	5,958.00	2,383.00	-	-
Adenosine	-	-	-	10.00	10.00	-	-	-	-	-
Cytidine	-	-	-	10.00	10.00	-	-	-	-	-
Guanosine	-	-	-	10.00	10.00	-	-	-	-	-
Uridine	-	-	-	10.00	10.00	-	-	-	-	-
2'-Deoxyadenosine H2	-	-	-	10.72	10.72	-	-	-	-	-
2'-Deoxycytidine HCl	-	-	-	11.00	11.00	-	-	-	-	-
2'-Deoxyguanosine H2	-	-	-	10.67	10.67	-	-	-	-	-