MEMα Medium Ingredient Formula

Ingredient (mg/L) / Cat. No.	PM150421	PM150422	PM150423	PM150424	PM150425
Inorganic Salt					
CaCl2 (Anhydrous)	200	200	200	200	200
MgSO4 (Anhydrous)	97.67	97.67	97.67	97.67	97.67
KCl	400	400	400	400	400
NaHCO3	2200	2200	2200	2200	2200
NaCl	6800	6800	6800	6800	6800
NaH2PO4-H2O	140	140	140	140	140
Amino Acid					
L-Alanyl-L-Glutamine	–	–	–	–	434
L-Arginine Hydrochloride	126.98	126.98	126.98	126.98	126.98
L-Cysteine Hydrochloride Monohydrate	100	100	100	100	100
L-Cystine 2HCl	31	31	31	31	31
L-Glutamine	292	292	–	–	–
L-Histidine Hydrochloride Monohydrate	42	42	42	42	42
L-Isoleucine	52.4	52.4	52.4	52.4	52.4
L-Leucine	52	52	52	52	52
L-Lysine Hydrochloride	73	73	73	73	73
L-Methionine	15	15	15	15	15
L-Phenylalanine	32	32	32	32	32
L-Threonine	48	48	48	48	48
L-Tryptophan	10	10	10	10	10
L-Tyrosine disodium salt	52	52	52	52	52
L-Valine	46	46	46	46	46
Glycine	50	50	50	50	50
L-Alanine	25	25	25	25	25
L –Asparagine Monohydrate	50	50	50	50	50
L-Aspartic Acid	30	30	30	30	30
L-Glutamic Acid	75	75	75	75	75
L-Proline	40	40	40	40	40
L-Serine	25	25	25	25	25
Vitamin					
L-Ascorbic Acid	50	50	50	50	50
Biotin	0.1	0.1	0.1	0.1	0.1
Choline Chloride	1	1	1	1	1
D-Calcium Pantothenate	1	1	1	1	1
Folic Acid	1	1	1	1	1
Niacinamide	1	1	1	1	1
Pyridoxal Hydrochloride	1	1	1	1	1
Riboflavin	0.1	0.1	0.1	0.1	0.1
Thiamine Hydrochlorid	1	1	1	1	1
Vitamin B12	1.36	1.36	1.36	1.36	1.36
Meso-inositol	2	2	2	2	2
Ribonucleotide					
Adenosine	10	–	10	–	10
Cytidine	10	–	10	–	10
Guanosine	10	–	10	–	10
Uridine	10	–	10	–	10
Deoxyribonucleoside					
2'-deoxyadenosine	10	–	10	–	10
2'-Deoxycytidine Hydrochloride	11	–	11	–	11
2'-Deoxyguanosine	10	–	10	–	10
Thymidine	10	–	10	–	10
Others					
D-Glucose	1000	1000	1000	1000	1000
Lipoic acid	0.2	0.2	0.2	0.2	0.2
Sodium Pyruvate	110	110	110	110	110
Phenol Red	10	10	10	10	10

Ingredient (mg/L) / Cat. No.	PM150426	PM150427	PM150428	PM150481	PM150482
Inorganic Salt					
CaCl2 (Anhydrous)	200	200	200	200	200
MgSO4 (Anhydrous)	97.67	97.67	97.67	97.67	97.67
KCl	400	400	400	400	400
NaHCO3	2200	2200	2200	2200	2200
NaCl	6800	6800	6800	6800	6800
NaH2PO4-H2O	140	140	140	140	140
Amino Acid					
L-Alanyl-L-Glutamine	434	–	–	–	–
L-Arginine Hydrochloride	126.98	126.98	126.98	126.98	126.98
L-Cysteine Hydrochloride Monohydrate	100	100	100	100	100
L-Cystine 2HCl	31	31	31	31	31
L-Glutamine	–	292	292	292	292
L-Histidine Hydrochloride Monohydrate	42	42	42	42	42
L-Isoleucine	52.4	52.4	52.4	52.4	52.4
L-Leucine	52	52	52	52	52
L-Lysine Hydrochloride	73	73	73	73	73
L-Methionine	15	15	15	15	15
L-Phenylalanine	32	32	32	32	32
L-Threonine	48	48	48	48	48
L-Tryptophan	10	10	10	10	10
L-Tyrosine disodium salt	52	52	52	52	52
L-Valine	46	46	46	46	46
Glycine	50	50	50	50	50
L-Alanine	25	25	25	25	25
L –Asparagine Monohydrate	50	50	50	50	50
L-Aspartic Acid	30	30	30	30	30
L-Glutamic Acid	75	75	75	75	75
L-Proline	40	40	40	40	40
L-Serine	25	25	25	25	25
Vitamin					
L-Ascorbic Acid	50	50	50	50	50
Biotin	0.1	0.1	0.1	0.1	0.1
Choline Chloride	1	1	1	1	1
D-Calcium Pantothenate	1	1	1	1	1
Folic Acid	1	1	1	1	1
Niacinamide	1	1	1	1	1
Pyridoxal Hydrochloride	1	1	1	1	1
Riboflavin	0.1	0.1	0.1	0.1	0.1
Thiamine Hydrochlorid	1	1	1	1	1
Vitamin B12	1.36	1.36	1.36	1.36	1.36
Meso-inositol	2	2	2	2	2
Ribonucleotide					
Adenosine	–	10	–	10	10
Cytidine	–	10	–	10	10
Guanosine	–	10	–	10	10
Uridine	–	10	–	10	10
Deoxyribonucleoside					
2'-deoxyadenosine	–	10	–	10	10
2'-Deoxycytidine Hydrochloride	–	11	–	11	11
2'-Deoxyguanosine	–	10	–	10	10
Thymidine	–	10	–	10	10
Others					
D-Glucose	1000	1000	1000	–	1000
Lipoic acid	0.2	0.2	0.2	0.2	0.2
Sodium Pyruvate	110	110	110	110	110
Phenol Red	–	–	–	10	10
HEPES	–	–	–	–	5958