

## MEM $\alpha$ Medium Ingredient Formula

Ingredient (mg/L) / Cat. No.	PM150421	PM150422	PM150423	PM150424	PM150425	PM150426	PM150427	PM150428
<b>Inorganic Salt</b>								
CaCl <sub>2</sub> (Anhydrous)	200	200	200	200	200	200	200	200
MgSO <sub>4</sub> (Anhydrous)	97.67	97.67	97.67	97.67	97.67	97.67	97.67	97.67
KCl	400	400	400	400	400	400	400	400
NaHCO <sub>3</sub>	2200	2200	2200	2200	2200	2200	2200	2200
NaCl	6800	6800	6800	6800	6800	6800	6800	6800
NaH <sub>2</sub> PO <sub>4</sub> (Anhydrous)	122	122	122	122	122	122	122	122
<b>Amino Acid</b>								
L-Alanyl-L-Glutamine	–	–	–	–	434	434	–	–
L-Arginine Hydrochloride	126	126	126	126	126	126	126	126
L-Cysteine Hydrochloride	100	100	100	100	100	100	100	100
L-Cystine Dihydrochloride	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
L-Glutamine	292	292	–	–	–	–	292	292
L-Histidine Hydrochloride	42	42	42	42	42	42	42	42
L-Isoleucine	52	52	52	52	52	52	52	52
L-Leucine	52	52	52	52	52	52	52	52
L-Lysine Hydrochloride	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
L-Methionine	15	15	15	15	15	15	15	15
L-Phenylalanine	32	32	32	32	32	32	32	32
L-Threonine	48	48	48	48	48	48	48	48
L-Tryptophan	10	10	10	10	10	10	10	10
L-Tyrosine Disodium Salt Dihydrate	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
L-Valine	46	46	46	46	46	46	46	46
Glycine	50	50	50	50	50	50	50	50
L-Alanine	25	25	25	25	25	25	25	25
L-Asparagine Monohydrate	50	50	50	50	50	50	50	50
L-Aspartic Acid	30	30	30	30	30	30	30	30
L-Glutamic Acid	75	75	75	75	75	75	75	75
L-Proline	40	40	40	40	40	40	40	40
L-Serine	25	25	25	25	25	25	25	25
<b>Vitamin</b>								
L-Ascorbic Acid	50	50	50	50	50	50	50	50
Biotin	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Choline Chloride	1	1	1	1	1	1	1	1
D-Calcium Pantothenate	1	1	1	1	1	1	1	1
Folic Acid	1	1	1	1	1	1	1	1
Niacinamide	1	1	1	1	1	1	1	1
Pyridoxal Hydrochloride	1	1	1	1	1	1	1	1
Riboflavin	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Thiamine Hydrochlorid	1	1	1	1	1	1	1	1
Vitamin B12	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36
Meso-inositol	2	2	2	2	2	2	2	2
<b>Ribonucleotide</b>								
Adenosine	10	–	10	–	10	–	10	–
Cytidine	10	–	10	–	10	–	10	–
Guanosine	10	–	10	–	10	–	10	–
Uridine	10	–	10	–	10	–	10	–
<b>Deoxyribonucleoside</b>								
2'-deoxyadenosine	10	–	10	–	10	–	10	–
2'-Deoxycytidine Hydrochloride	11	–	11	–	11	–	11	–
2'-Deoxyguanosine	10	–	10	–	10	–	10	–
Thymidine	10	–	10	–	10	–	10	–
<b>Others</b>								
D-Glucose	1000	1000	1000	1000	1000	1000	1000	1000
Znso <sub>4</sub>	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Sodium Pyruvate	110	110	110	110	110	110	110	110
Phenol Red	10	10	10	10	10	10	–	–