

Improved MEM (Richter's Mod.) Formulation

Catalog no.	320-050 1X, Liquid IMEM	320-055 1X, Liquid IMEM
Inorganic Salts	mg/L	mg/L
CaCl ₂ (anhydrous)	200.00	200.00
FeCl ₃ ·6H ₂ O	0.54	0.54
KCl	400.00	400.00
MgCl ₂ ·6H ₂ O	183.00	183.00
MgSO ₄ ·7H ₂ O	25.00	25.00
NaCl	6800.00	6800.00
NaH ₂ PO ₄ ·H ₂ O	150.00	150.00
NaHCO ₃	2200.00	2200.00
ZnSO ₄ ·7H ₂ O	0.14	0.14
Amino Acids		
L-Arginine·HCl	127.00	127.00
L-Asparagine·H ₂ O	60.00	60.00
L-Cystine·2HCl	31.28	31.28
L-Glutamine	292.00	292.00
L-Histidine·HCl·H ₂ O	42.00	42.00
L-Isoleucine	52.00	52.00
L-Leucine	131.20	131.20
L-Lysine·HCl	72.60	72.60
L-Methionine	15.00	15.00
L-Phenylalanine	32.00	32.00
L-Serine	42.00	42.00
L-Threonine	48.00	48.00
L-Tryptophan	10.00	10.00
L-Tyrosine·2Na·2H ₂ O	51.89	51.89
L-Valine	46.00	46.00
Vitamins		
Biotin	0.10	0.10
D-Calcium pantothenate	1.00	1.00
Choline chloride	56.00	56.00
Folic acid	2.20	2.20
i-Inositol	36.00	36.00
Lineoleic acid	0.08	0.08
Lipoic acid	0.20	0.20
Nicotinamide	1.00	1.00
Pyridoxine·HCl	1.00	1.00
Riboflavin	0.10	0.10
Thiamine·HCl	1.00	1.00
Vitamin B ₁₂	1.36	1.36

To order: (888)-947-3681 Fax: (450) 446-7038
 Visit us: www.wisentbioproducts.com
info@wisent.ca

Improved MEM (Richter's Mod.) Formulation, contd.

Catalog no.	320-050 1X, Liquid IMEM	320-055 1X, Liquid IMEM
Other	mg/L	mg/L
D-Glucose	2000.00	2000.00
Phenol red, Na	10.00	----
Putrescine·2HCl	0.16	0.16
Sodium pyruvate	110.00	110.00
Specifications		
pH (after buffer)	7.2 ± 0.2	7.2 ± 0.2
Osmolality (mOsm/kg)	305 ± 15	305 ± 15

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