

Basal Medium Eagle (BME) Formulation

Catalog no.	360-010 1X, Liquid BME	360-011 1X, Liquid BME
Inorganic Salts	mg/L	mg/L
CaCl ₂ (anhydrous)	200.00	140.04
KCl	400.00	400.00
KH ₂ PO ₄	----	60.00
MgSO ₄ (anhydrous)	97.67	97.70
NaCl	6800.00	8000.00
NaH ₂ PO ₄ ·H ₂ O	140.00	----
NaH ₂ PO ₄ (anhydrous)	----	47.50
NaHCO ₃	2200.00	2200.00
Amino Acids		
L-Arginine·HCl	21.00	21.06
L-Cystine·2HCl	15.65	15.55
L-Glutamine	292.30	292.30
L-Histidine·HCl·H ₂ O	15.00	10.50
L-Isoleucine	26.00	26.23
L-Leucine	26.00	26.23
L-Lysine·HCl	36.47	36.53
L-Methionine	7.50	7.46
L-Phenylalanine	16.50	16.51
L-Threonine	24.00	23.82
L-Tryptophan	4.00	4.08
L-Tyrosine·2Na·2H ₂ O	25.95	26.11
L-Valine	23.50	23.43
Vitamins		
Biotin	1.00	1.00
D-Calcium pantothenate	1.00	1.00
Choline chloride	1.00	1.00
Folic acid	1.00	1.00
i-Inositol	2.00	2.00
Nicotinamide	1.00	1.00
Pyridoxine·HCl	1.00	1.00
Riboflavin	0.10	0.10
Thiamine·HCl	1.00	1.00
Other		
D-Glucose	1000.00	1000.00
Phenol red, Na	10.00	17.00
Specifications		
pH (after buffer)	7.2 ± 0.2	7.2 ± 0.2
Osmolality (mOsm/kg)	300 ± 15	300 ± 15

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