WISENT INC.

Alpha Modification of Eagle's Medium (AMEM) Formulation

Catalog no.	310-021 1X, Liquid AMEM
Inorganic Salts	mg/L
$CaCl_2$ (anhydrous)	200.00
KCl	400.00
$MgSO_4$ (anhydrous)	97.70
NaCl	6800.00
$NaH_2PO_4 \cdot H_2O$	140.00
$NaHCO_3$	2200.00
Amino Acids	
L-Alanine	25.00
L-Arginine·HCl	126.40
L-Asparagine· H_2O	50.00
L-Aspartic acid	30.00
L-Cysteine·HCl· H_2O	100.00
L-Cystine·2HCl	31.20
L-Glutamic acid	75.00
L-Glutamine	292.00
Glycine	50.00
L-Histidine·HCl·H_2O	41.90
L-Isoleucine	52.50
L-Leucine	52.50
L-Lysine·HCl	72.50
L-Methionine	15.00
L-Phenylalanine	32.50
L-Proline	40.00
L-Serine	25.00
L-Threonine	47.60
L-Tryptophan	10.00
L-Tyrosine·2Na·$2H_2O$	51.90
L-Valine	46.80
Vitamins	
Ascorbic acid	50.00
Biotin	0.10
D-Calcium pantothenate	1.00
Choline chloride	1.00
Folic acid	1.00
i-Inositol	2.00
Nicotinamide	1.00
Pyridoxine·HCl	1.00
Riboflavin	0.10
Thiamine·HCl	1.00
Vitamin B_{12}	1.36

Alpha Modification of Eagle's Medium (AMEM) Formulation, contd.

Catalog no.	310-021 1X, Liquid AMEM
Other	mg/L
D-Glucose	1000.00
Lipoic acid	0.20
Phenol red, Na	-----
Sodium pyruvate	110.00
Nucleosides	
Thymidine	10.00
Adenosine	10.00
Cytidine	10.00
Guanosine	10.00
Uridine (anhydrous)	10.00
2'-Deoxyadenosine	10.00
2'-Deoxycytidine·HCl	11.00
2'-Deoxyguanosine	10.00
Specifications	
pH (after buffer)	7.2 ± 0.2
Osmolality (mOsm/kg)	290 ± 30