

Alpha Modification of Eagle's Medium (AMEM) Formulation

Catalog no.	310-010 1X, Liquid AMEM	310-011 1X, Liquid AMEM	310-012 1X, Liquid AMEM	310-015 1X, Liquid AMEM	310-021 1X, Liquid AMEM	310-022 1X, Liquid AMEM
Inorganic Salts	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
CaCl ₂ (anhydrous)	200.00	200.00	200.00	200.00	200.00	200.00
KCl	400.00	400.00	400.00	400.00	400.00	400.00
MgSO ₄ (anhydrous)	97.70	97.70	97.70	97.70	97.70	97.70
NaCl	6800.00	6800.00	6800.00	6800.00	6800.00	6800.00
NaH ₂ PO ₄ ·H ₂ O	140.00	140.00	140.00	140.00	140.00	140.00
NaHCO ₃	2200.00	2200.00	2200.00	2200.00	2200.00	2200.00
Amino Acids						
L-Alanine	25.00	25.00	25.00	25.00	25.00	25.00
L-Arginine·HCl	126.40	126.40	126.40	126.40	126.40	126.40
L-Asparagine·H ₂ O	50.00	50.00	50.00	50.00	50.00	50.00
L-Aspartic acid	30.00	30.00	30.00	30.00	30.00	30.00
L-Cysteine·HCl·H ₂ O	100.00	100.00	100.00	100.00	100.00	100.00
L-Cystine·2HCl	31.20	31.20	31.20	31.20	31.20	31.20
L-Glutamic acid	75.00	75.00	75.00	75.00	75.00	75.00
L-Glutamine	292.00	----	292.00	-----	292.00	292.00
Glycine	50.00	50.00	50.00	50.00	50.00	50.00
L-Histidine·HCl·H ₂ O	41.90	41.90	41.90	41.90	41.90	41.90
L-Isoleucine	52.50	52.50	52.50	52.50	52.50	52.50
L-Leucine	52.50	52.50	52.50	52.50	52.50	52.50
L-Lysine·HCl	72.50	72.50	72.50	72.50	72.50	72.50
L-Methionine	15.00	15.00	15.00	15.00	15.00	15.00
L-Phenylalanine	32.50	32.50	32.50	32.50	32.50	32.50
L-Proline	40.00	40.00	40.00	40.00	40.00	40.00
L-Serine	25.00	25.00	25.00	25.00	25.00	25.00
L-Threonine	47.60	47.60	47.60	47.60	47.60	47.60
L-Tryptophan	10.00	10.00	10.00	10.00	10.00	10.00
L-Tyrosine·2Na·2H ₂ O	51.90	51.90	51.90	51.90	51.90	51.90
L-Valine	46.80	46.80	46.80	46.80	46.80	46.80
Vitamins						
Ascorbic acid	50.00	50.00	50.00	50.00	50.00	50.00
Biotin	0.10	0.10	0.10	0.10	0.10	0.10
D-Calcium pantothenate	1.00	1.00	1.00	1.00	1.00	1.00
Choline chloride	1.00	1.00	1.00	1.00	1.00	1.00
Folic acid	1.00	1.00	1.00	1.00	1.00	1.00
i-Inositol	2.00	2.00	2.00	2.00	2.00	2.00
Nicotinamide	1.00	1.00	1.00	1.00	1.00	1.00
Pyridoxine·HCl	1.00	1.00	1.00	1.00	1.00	1.00
Riboflavin	0.10	0.10	0.10	0.10	0.10	0.10
Thiamine·HCl	1.00	1.00	1.00	1.00	1.00	1.00
Vitamin B ₁₂	1.36	1.36	1.36	1.36	1.36	1.36

To order: 1-888-947-3681 Fax: (450) 446-7038 info@wisent.ca

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Catalog no.	310-010 1X, Liquid AMEM	310-011 1X, Liquid AMEM	310-012 1X, Liquid AMEM	310-015 1X, Liquid AMEM	310-021 1X, Liquid AMEM	310-022 1X, Liquid AMEM
Other	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
D-Glucose	1000.00	1000.00	2000.00	1000.00	1000.00	1000.00
Lipoic acid	0.20	0.20	0.20	0.20	0.20	0.20
Phenol red, Na	10.00	10.00	10.00	-----	-----	10.00
Sodium pyruvate	110.00	110.00	110.00	110.00	110.00	110.00
Nucleosides						
Thymidine	10.00	----	----	-----	10.00	----
Adenosine	10.00	----	----	-----	10.00	----
Cytidine	10.00	----	----	-----	10.00	----
Guanosine	10.00	----	----	-----	10.00	----
Uridine (anhydrous)	10.00	----	----	-----	10.00	----
2'-Deoxyadenosine	10.00	----	----	-----	10.00	----
2'-Deoxycytidine·HCl	11.00	----	----	-----	11.00	----
2'-Deoxyguanosine	10.00	----	----	-----	10.00	----
Specifications						
pH (after buffer)	7.2 ± 0.2	7.2 ± 0.2	7.2 ± 0.2	7.2 ± 0.2	7.2 ± 0.2	7.2 ± 0.2
Osmolality (mOsm/kg)	290 ± 15	290 ± 30	290 ± 30	290 ± 30	290 ± 30	290 ± 30

Alpha Modification of Eagle's Medium (AMEM) Formulation

Catalog no.	210-010 Powder AMEM	210-011 Powder AMEM
Inorganic Salts	mg/L	mg/L
CaCl ₂ (anhydrous)	200.00	200.00
KCl	400.00	400.00
MgSO ₄ (anhydrous)	97.70	97.70
NaCl	6800.00	6800.00
NaH ₂ PO ₄ ·H ₂ O	140.00	140.00
NaHCO ₃	----	----
Amino Acids		
L-Alanine	25.00	25.00
L-Arginine·HCl	126.40	126.40
L-Asparagine· H ₂ O	50.00	50.00
L-Aspartic acid	30.00	30.00
L-Cysteine·HCl· H ₂ O	100.00	100.00
L-Cystine·2HCl	31.20	31.20
L-Glutamic acid	75.00	75.00
L-Glutamine	292.00	----
Glycine	50.00	50.00
L-Histidine·HCl·H ₂ O	41.90	41.90
L-Isoleucine	52.50	52.50
L-Leucine	52.50	52.50
L-Lysine·HCl	72.50	72.50
L-Methionine	15.00	15.00
L-Phenylalanine	32.50	32.50
L-Proline	40.00	40.00
L-Serine	25.00	25.00
L-Threonine	47.60	47.60
L-Tryptophan	10.00	10.00
L-Tyrosine·2Na·2H ₂ O	51.90	51.90
L-Valine	46.80	46.80
Vitamins		
Ascorbic acid	50.00	50.00
Biotin	0.10	0.10
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
Vitamin B ₁₂	1.36	1.36

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

Catalog no.	210-010 Powder AMEM	210-011 Powder AMEM
Other	mg/L	mg/L
D-Glucose	1000.00	1000.00
Lipoic acid	0.20	0.20
Phenol red, Na	10.00	----
Sodium pyruvate	110.00	110.00
Nucleosides		
Thymidine	----	----
Adenosine	----	----
Cytidine	----	----
Guanosine	----	----
Uridine (anhydrous)	----	----
2'-Deoxyadenosine	----	----
2'-Deoxycytidine·HCl	----	----
2'-Deoxyguanosine	----	----
Specifications		
pH (after buffer)	7.0 ± 0.5	7.0 ± 0.5
Osmolality (mOsm/kg)	290 ± 30	290 ± 30
Grams of powder required to prepare 1L (1X Solution)	10.09	9.78