

Product Information

Minimal Essential Medium (MEM) Alpha Modification, w/o L-Glutamine, w/o Nucleosides, sterile-filtered
 Cat. No. MEMA-XXXA (500 ml)

Product Specifications

Appearance	Clear red orange solution
CO ₂ concentration, optimum	5.0 %
Storage and shelf life	Store at +2°C to +8°C protected from light. Do not freeze! Once opened, store at 4°C and use within 6-8 weeks.
Shipping conditions	Ambient

Formulation

Components	Concentration mg/L
Amino Acids:	
L-Alanine	25.00
L-Arginine HCl	126.00
L-Asparagine H ₂ O	50.00
L-Aspartic Acid	30.00
L-Cysteine HCl H ₂ O	100.00
L-Cystine 2HCl	31.30
L-Glutamic Acid	75.00
Glycine	50.00
L-Histidine HCl H ₂ O	42.00
L-Isoleucine	52.00
L-Leucine	52.00
L-Lysine HCl	72.50
L-Methionine	15.00
L-Phenylalanine	32.00
L-Proline	40.00
L-Serine	25.00
L-Threonine	48.00
L-Tryptophan	10.00
L-Tyrosine 2 Na H ₂ O	51.90
L-Valine	46.00
Vitamins:	
Ascorbic Acid Na	50.00
D-Biotin	0.10
Choline chloride	1.00
myo-Inositol	2.00
Folic Acid	1.00

Components	Concentration mg/L
D-Calcium Pantothenate	1.00
Nicotinamide	1.00
Pyridoxal HCl	1.00
Riboflavin	0.10
Thiamine HCl	1.00
Vitamin B12	1.36
Inorganic Salts:	
CaCl ₂ 2 H ₂ O	265.00
MgSO ₄ (anhydrous)	97.67
KCl	400.00
NaHCO ₃	2200.00
NaCl	6800.00
NaH ₂ PO ₄ (anhydrous)	122.00
Other Components:	
D-Glucose	1000.00
Lipoic Acid	0.20
Phenol Red Sodium Salt	11.0
Sodium Pyruvate	110.00

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Precautions and Disclaimer

This product is for research use only. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Help Needed?

If you have any further questions regarding this product please do not hesitate to contact our cell culture experts by email (techservice@capricorn-scientific.com) or phone (+49 6424 944640).