LT BIOTECH UAB
Mokslininkų g. 2,
LT-08412 Vilnius, Lithuania
www.ltbiotech.lt
info@ltbiotech.lt

MEM Alpha Modification, w/o L-Glutamine, with Nucleosides

General information

MEM is a commonly utilized cell culture medium that can support the growth of various cell types, whether they are adherent or suspension.

Product specifications

CO2 concentration, optimum	5.0 %
pH	7.0 – 7.5
Osmolality	260 – 340 mOsm/kg
Colour and Appearance	Clear red orange solution
Endotoxin	<1 EU/ml (<0.1 ng/ml)
Cell Culture	Tested
Sterility	Tested
Storage	+2 °C to +8 °C protected from light, do not freeze!

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Formulation

Amino Acids

L-Alanine	25.00
L-Arginine · HCl	126.00
L-Asparagine · H_2O	50.00
L-Aspartic Acid	30.00
L-Cysteine · HCl · H_2O	100.00
L-Cystine 2 HCl	31.30
L-Glutamic Acid	75.00
Glycine	50.00
L-Histidine · HCl · H_2O	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_2O	26.10
L-Valine	46.00

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Vitamins

Ascorbic Acid	50.00
D-Biotin	0.10
Choline chloride	1.00
D-Calcium Pantothenate	1.00
Folic Acid	1.00
myo-Inositol	2.00
Nicotinamide	1.00
Pyridoxal HCl	1.00
Riboflavin	0.10
Thiamine HCl	1.00
Vitamin B12	1.36

Inorganic Salts

$CaCl_2 \cdot 2\ H_2O$	200.00
$MgSO_4$ (anhydrous)	97.67
KCl	400.00
$NaHCO_3$	2200.00
NaCl	6800.00
Na_2HPO_4 (anhydrous)	122.00

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Other Components

Adenosine	10.00
Cytidine	10.00
Guanosine	10.00
Uridine	10.00
2'-Deoxyadenosine	10.00
2'-Deoxycytidine · HCl	10.00
2'-Deoxyguanosine	10.00
Thymidine	10.00
D-Glucose	1000.00
Lipoic Acid	0.20
Phenol Red · Na	11.0
Sodium Pyruvate	110.00

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.

Ordering information

Catalogue number	Pack size
LTLM-B19	500 ml