

MEM with Earle's Salts, w/o L-Glutamine

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 – 320 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

Formulation

Amino Acids

L-Arginine HCl	126.00
L-Cystine 2 HCl	31.30
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-Threonine	48.00
L-Tryptophan	10.00
L-Tyrosine 2 Na 2 H ₂ O	51.90
L-Valine	46.00

Vitamins

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

Inorganic Salts

Calcium Chloride 2 H ₂ O	265.00
Magnesium Sulfate	97.67
Potassium Chloride	400.00
Sodium Bicarbonate	2200.00
Sodium Chloride	6800.00
Sodium Phosphate Monobasic Anhydrous	122.00

Other Components

D-Glucose	1000.00
Phenol Red Sodium Salt	11.0

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-B22	500 ml

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