

Specification

Product #: M 3305

Description: MEM with Earle's Salts, 500 ml

Specification: with 20 mM HEPES, without NaHCO₃, without L-glutamine

Storage: 2°C - 8°C

Testings

Acceptance Criteria

Incubation at 20°C

Incubation at 32°C

Osmolality

pH Value

Accepted Result

Sterile

Sterile

280 - 310 mOsm/kg

7.0 - 7.6

Composition

Amino Acids

L-Arginine x HCl	126.0000 mg/L
L-Cystine	24.0000 mg/L
L-Histidine x HCl x H ₂ O	42.0000 mg/L
L-Isoleucine	52.0000 mg/L
L-Leucine	52.0000 mg/L
L-Lysine x HCl	72.5000 mg/L
L-Methionine	15.0000 mg/L
L-Phenylalanine	32.0000 mg/L
L-Threonine	48.0000 mg/L
L-Tryptophan	10.0000 mg/L
L-Tyrosine	36.0000 mg/L
L-Valine	46.0000 mg/L

Inorganic Salts

Calcium chloride x 2H ₂ O	264.9200 mg/L
Magnesium sulfate	97.6700 mg/L
Potassium chloride	400.0000 mg/L
Sodium chloride	6,800.0000 mg/L
Sodium dihydrogen phosphate x H ₂ O	140.0000 mg/L

Other Components

D(+)-Glucose	1,000.0000 mg/L
HEPES	20.0000 mM
Phenol red	10.0000 mg/L

Vitamins

Choline chloride	1.0000 mg/L
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D-Calcium pantothenate	1.0000 mg/L
Folic acid	1.0000 mg/L
myo-Inositol	2.0000 mg/L
Nicotinamide	1.0000 mg/L
Pyridoxal x HCl	1.0000 mg/L
Riboflavin	0.1000 mg/L
Thiamine x HCl	1.0000 mg/L