

Specification

Product #: M 1504

Description: DMEM/F12 (1:1), w/o: L-Glutamine, w: 1,2 g/l NaHCO₃, 500 ml

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Storage: 2°C - 8°C

Testings

Acceptance Criteria

pH Value

Osmolality

Incubation at 32°C

Incubation at 20°C

Accepted Result

7.0 - 7.6

280 - 320 mOsm/kg

Sterile

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Composition

Amino Acids

Glycine	18.7500 mg/L
L-Alanine	4.4500 mg/L
L-Arginine x HCl	147.3500 mg/L
L-Asparagine x H ₂ O	7.5000 mg/L
L-Aspartic acid	6.6500 mg/L
L-Cysteine x HCl x H ₂ O	17.5600 mg/L
L-Cystine x 2HCl	31.2900 mg/L
L-Glutamic acid	7.3500 mg/L
L-Glutamine	0.0000 mg/L
L-Histidine x HCl x H ₂ O	31.4800 mg/L
L-Isoleucine	54.3700 mg/L
L-Leucine	58.9600 mg/L
L-Lysine x HCl	91.3700 mg/L
L-Methionine	17.2400 mg/L
L-Phenylalanine	35.4800 mg/L
L-Proline	17.2700 mg/L
L-Serine	26.2500 mg/L
L-Threonine	53.5500 mg/L
L-Tryptophan	9.0200 mg/L
L-Tyrosine x 2Na x 2H ₂ O	55.8100 mg/L
L-Valine	52.6600 mg/L

Inorganic Salts

Calcium chloride x 2H ₂ O	154.4500 mg/L
Copper(II)-sulfate x 5H ₂ O	0.0000 mg/L
di-Sodium hydrogen phosphate	70.9800 mg/L
Iron(II)-sulfate x 7H ₂ O	0.4200 mg/L
Iron(III)-nitrate x 9H ₂ O	0.0500 mg/L
Magnesium chloride anhydrous	28.5700 mg/L

Magnesium sulfate	48.8500 mg/L
Potassium chloride	311.8300 mg/L
Sodium chloride	6,999.5000 mg/L
Sodium dihydrogen phosphate anhydrous	54.3500 mg/L
Zinc sulfate x 7H ₂ O	0.4300 mg/L

Other Components

D(+)-Glucose anhydrous	3,151.0000 mg/L
DL-68-Lipoic acid	0.1000 mg/L
Hypoxanthine	2.0400 mg/L
Linoleic acid	0.0400 mg/L
Phenol red	8.1000 mg/L
Putrescin x 2HCl	0.0800 mg/L
Sodium pyruvate	110.0000 mg/L
Thymidine	0.3600 mg/L

Vitamins

Choline chloride	8.9800 mg/L
D-(+)-Biotine	0.0000 mg/L
D-Calcium pantothenate	2.1200 mg/L
Folic acid	2.6600 mg/L
myo-Inositol	12.5100 mg/L
NaHCO ₃	1,200.0000 mg/L
Nicotinamide	2.0200 mg/L
Pyridoxine x HCl	2.0300 mg/L
Riboflavin	0.2200 mg/L
Thiamine x HCl	2.1700 mg/L
Vitamine B12	0.6800 mg/L