

Specification

Product #: M 1524

Description: DMEM w 3.7 g/l NaHCO₃, w 4.5 g/l Glucose, w/o L-Glutamine, w/o N, 500 ml

Specification: w 3.7 g/l NaHCO₃, w 4.5 g/l Glucose, w/o L-Glutamine, w/o Na-Pyruvate, w. 25 mM HEPES

Storage: 2°C - 8°C

Testings

Acceptance Criteria

Incubation at 20°C

Incubation at 32°C

Osmolality

Performance

pH Value

Accepted Result

Sterile

Sterile

300 - 330 mOsm/kg

Cell Growth

7.0 - 7.6

Composition

Inorganic Salts

Calcium chloride anhydrous	200.0000 mg/L
Iron (III) nitrate x 9H ₂ O	0.1000 mg/L
Magnesium sulfate anhydrous	97.6600 mg/L
Potassium chloride	400.0000 mg/L
Sodium chloride	6,400.0000 mg/L
Sodium dihydrogen phosphate anhydrous	108.6900 mg/L

Other Components

Amino acids L-Arginine x HCl	84.0000 mg/L
D-Glucose	4,500.0000 mg/L
Glycine	30.0000 mg/L
HEPES	25.0000 mM
L-Cystine x 2HCl	62.5800 mg/L
L-Histidine x HCl x H ₂ O	42.0000 mg/L
L-Isoleucine	104.8000 mg/L
L-Leucine	104.8000 mg/L
L-Lysine x HCl	146.2000 mg/L
L-Methionine	30.0000 mg/L
L-Phenylalanine	66.0000 mg/L
L-Serine	42.0000 mg/L
L-Threonine	95.2000 mg/L
L-Tryptophan	16.0000 mg/L
L-Tyrosine x Na	103.7900 mg/L
L-Valine	93.6000 mg/L
Phenol red	15.0000 mg/L

Vitamins

Choline chloride	4.0000 mg/L
D-Calcium pantothenate	4.0000 mg/L
Folic acid	4.0000 mg/L
myo-Inositol	7.0000 mg/L
NaHCO ₃	3,700.0000 mg/L
Nicotinamide	4.0000 mg/L
Pyridoxine x HCl	4.0000 mg/L
Riboflavin	0.4000 mg/L
Thiamine x HCl	4.0000 mg/L