

Specification

Product #: M 1427

Description: DMEM, 500 ml

Specification: w: 4,5 g/l Glucose, w/o: L-Glutamine, w/o: Sodium pyruvate, w: 3,7 g/l NaHCO₃

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

320 - 350 mOsm/kg

Sterile

Sterile

Composition

Amino Acids

Glycine	30.00 mg/L
L-Arginine x HCl	84.00 mg/L
L-Cystine x 2HCl	63.00 mg/L
L-Glutamine	0.00 mg/L
L-Histidine x HCl x H ₂ O	42.00 mg/L
L-Isoleucine	105.00 mg/L
L-Leucine	105.00 mg/L
L-Lysine x HCl	146.00 mg/L
L-Methionine	30.00 mg/L
L-Phenylalanine	66.00 mg/L
L-Serine	42.00 mg/L
L-Threonine	95.00 mg/L
L-Tryptophan	16.00 mg/L
L-Tyrosine x Na	104.00 mg/L
L-Valine	94.00 mg/L

Inorganic Salts

Calcium chloride anhydrous	200.00 mg/L
Iron (III) nitrate x 9H ₂ O	0.00 mg/L
Magnesium sulfate anhydrous	98.00 mg/L
Potassium chloride	400.00 mg/L
Sodium chloride	6,400.00 mg/L
Sodium dihydrogen phosphate anhydrous	109.00 mg/L

Other Components

D(+)-Glucose anhydrous	4,500.00 mg/L
Phenol red	15.00 mg/L
Sodium pyruvate	0.00 mg/L

Vitamins

Choline chloride	4.00 mg/L
D-Calcium pantothenate	4.00 mg/L
Folic acid	4.00 mg/L
myo-Inositol	7.00 mg/L
NaHCO ₃	3,700.00 mg/L
Nicotinamide	4.00 mg/L
Pyridoxine x HCl	4.00 mg/L
Riboflavin	0.00 mg/L
Thiamine x HCl	4.00 mg/L