

Specification

Product #: M 5003

Description: DMEM High Glucose, 500 ml

Specification: DMEM, High Glucose, Contains 4500 mg/L D-glucose, w/o: Sodium Pyruvate. w/o: LGlutamine
Add 584.0mg/L L-Glutamine (Formulation BI 01-055-1)

Storage: 2°C - 8°C

Testings

Acceptance Criteria

Osmolality

pH Value

Incubation at 20°C

Incubation at 32°C

Accepted Result

260 - 290 mOsm/kg

7.0 - 7.6

Sterile

Sterile

Composition

Amino Acids

Glycine	30.0000 mg/L
L-Arginine x HCl	84.0000 mg/L
L-Cystine	48.0000 mg/L
L-Histidine	42.0000 mg/L
L-Isoleucine	105.0000 mg/L
L-Leucine	105.0000 mg/L
L-Lysine x HCl	146.0000 mg/L
L-Methionine	30.0000 mg/L
L-Phenylalanine	66.0000 mg/L
L-Serine	42.0000 mg/L
L-Threonine	95.0000 mg/L
L-Tryptophan	16.0000 mg/L
L-Tyrosine	72.0000 mg/L
L-Valine	94.0000 mg/L
D-Glucose	4,500.0000 mg/L
Phenol red	15.0000 mg/L

Inorganic Salts

CaCl ₂ x 2H ₂ O	264.9200 mg/L
Ferric Nitrate (Fe(NO ₃) ₃ -9H ₂ O)	0.1000 mg/L
MgSO ₄ .7H ₂ O	200.0000 mg/L
Potassium chloride	400.0000 mg/L
Sodium bicarbonate (NaHCO ₃)	3,700.0000 mg/L
Sodium chloride (NaCl)	6,400.0000 mg/L
Sodium Phosphate (Na ₂ HPO ₄ -H ₂ O)	125.0000 mg/L

Vitamins

Choline chloride	4.0000 mg/L
D-Calcium pantothenate	4.0000 mg/L
Folic acid	4.0000 mg/L
i-Inositol	7.2000 mg/L
Niacinamide	4.0000 mg/L
Pyridoxine x HCl	4.0000 mg/L
Riboflavin	0.4000 mg/L
Thiamine x HCl	4.0000 mg/L