

## Specification

**Product #:** M 1452

**Description:** DMEM w: 4,5 g/l Glucose, w: stab. Glutamine, w: Sodium pyruvate, w: 3,7 g/l NaHCO<sub>3</sub>, 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

320 - 350 mOsm/kg

Sterile

Sterile

## Composition

### Inorganic Salts

Calcium chloride anhydrous	200.0000 mg/L
Iron (III) nitrate x 9H <sub>2</sub> 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 anhydrous	4,500.0000 mg/L
Glycine	30.0000 mg/L
L-Cystine x 2HCl	62.5800 mg/L
L-Glutamine stable	870.0000 mg/L
L-Histidine x HCl x H <sub>2</sub> 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
Sodium pyruvate	110.0000 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 <sub>3</sub>	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