

## Specification

**Product #:** M 1457

**Description:** DMEM w: 4,5 g/l Glucose, w: L-Glutamine, w/o: Sodium pyruvate,w/, 1 L

**Specification:** w: L-Glutamine, w/o: Sodium pyruvate,w/o: NaHCO<sub>3</sub>

**Storage:** 2°C - 8°C

## Testings

### Acceptance Criteria

Osmolality (13.44 g/L)

pH at RT (13.44 g/L)

### Accepted Result

245 - 275 mOsm

3.5 - 5.0

## Composition

### Amino Acids

Glycine	30.0000 mg/L
L-Arginine x HCl	84.0000 mg/L
L-Cystine x 2HCl	63.0000 mg/L
L-Glutamine	584.0000 mg/L
L-Histidine x HCl x H <sub>2</sub> O	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 x Na	104.0000 mg/L
L-Valine	94.0000 mg/L

### Inorganic Salts

Calcium chloride anhydrous	200.0000 mg/L
Iron (III) nitrate x 9H <sub>2</sub> O	0.0000 mg/L
Magnesium sulfate anhydrous	98.0000 mg/L
Potassium chloride	400.0000 mg/L
Sodium chloride	6,400.0000 mg/L
Sodium dihydrogen phosphate anhydrous	109.0000 mg/L

### Other Components

D(+)-Glucose anhydrous	4,500.0000 mg/L
Phenol red	15.0000 mg/L
Sodium pyruvate	0.0000 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
Nicotinamide	4.0000 mg/L
Pyridoxine x HCl	4.0000 mg/L
Riboflavin	0.0000 mg/L
Thiamine x HCl	4.0000 mg/L