

## Specification

**Product #:** M 1013

**Description:** Alpha MEM Eagle, w/o: L-Glutamine, w: Ribonucleosides, w: Deoxyribonucleosides, w: 2.2g/L NaHCO<sub>3</sub>, 500 ml

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**Storage:** 2°C - 8°C

## Testings

### Acceptance Criteria

pH Value	7.0 - 7.6
Osmolality	270 - 300 mOsm/kg
Incubation at 32°C	Sterile
Incubation at 20°C	Sterile
Performance	Cell Growth

### Accepted Result

## Composition

### Deoxyribonucleosides

2'-Deoxyadenosine x H <sub>2</sub> O	10.0000 mg/L
2'-Deoxycytidine x HCl	11.0000 mg/L
2'-Deoxyguanosine	10.0000 mg/L
2'-Deoxythymidine	10.0000 mg/L
NaHCO <sub>3</sub>	2,200.0000 mg/L

### Inorganic Salts

Calcium chloride x 2H <sub>2</sub> O	264.9200 mg/L
Magnesium sulfate anhydrous	97.6700 mg/L
Potassium chloride	400.0000 mg/L
Sodium chloride	6,800.0000 mg/L
Sodium dihydrogen phosphate x H <sub>2</sub> O	140.0000 mg/L

### L-Arginine x HCl 12664

Glycine	50.0000 mg/L
L-Asparagine x H <sub>2</sub> O	50.0000 mg/L
L-Aspartic acid	30.0000 mg/L
L-Cysteine x HCl x H <sub>2</sub> O	100.0000 mg/L
L-Cystine	24.0000 mg/L
L-Glutamic acid	75.0000 mg/L
L-Glutamine	0.0000 mg/L
L-Histidine x HCl x H <sub>2</sub> O	42.0000 mg/L
L-Isoleucine	52.4000 mg/L
L-Leucine	52.4000 mg/L
L-Lysine x HCl	72.4700 mg/L
L-Methionine	15.0000 mg/L

L-Phenylalanine	32.0000 mg/L
L-Proline	40.0000 mg/L
L-Serine	25.0000 mg/L
L-Threonine	48.0000 mg/L
L-Tryptophan	10.0000 mg/L
L-Tyrosine	36.2000 mg/L
L-Valine	46.0000 mg/L

## Other Components

Amino acids L-Alanine	25.0000 mg/L
D(+)-Glucose anhydrous	1,000.0000 mg/L
Lipoic acid	0.2000 mg/L
Phenol red	10.0000 mg/L
Sodium pyruvate	110.0000 mg/L

## Vitamins

Choline chloride	1.0000 mg/L
Cytidine	10.0000 mg/L
D(+)-Biotin	0.1000 mg/L
D-Calcium pantothenate	1.0000 mg/L
Folic acid	1.0000 mg/L
Guanosine	10.0000 mg/L
L-Ascorbic acid	50.0000 mg/L
myo-Inositol	2.0000 mg/L
Nicotinamide	1.0000 mg/L
Pyridoxal x HCl	1.0000 mg/L
Riboflavin	0.1000 mg/L
Ribonucleosides Adenosine	10.0000 mg/L
Thiamine x HCl	1.0000 mg/L
Uridine	10.0000 mg/L
Vitamine B12	1.3300 mg/L