

## Specification

**Product #:** M 2216

**Description:** IMDM, w: stab. Glutamine, w: 25 mM Hepes, w: 3,024 g/l NaHCO<sub>3</sub>, 500 ml

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**Storage:** 2°C - 8°C

## Testings

### Acceptance Criteria

### Accepted Result

pH Value

6.9 - 7.5

Osmolality

260 - 290 mOsm/kg

Incubation at 32°C

Sterile

Incubation at 20°C

Sterile

## Composition

### Amino Acids

Glycine	30.0000 mg/L
L-Alanine	25.0000 mg/L
L-Arginine x HCl	84.0000 mg/L
L-Asparagine x H <sub>2</sub> O	28.4000 mg/L
L-Aspartic acid	30.0000 mg/L
L-Cystine x 2HCl	91.2400 mg/L
L-Glutamic acid	75.0000 mg/L
L-Glutamine stable	870.1600 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-Proline	40.0000 mg/L
L-Serine	42.0000 mg/L
L-Threonine	95.0000 mg/L
L-Tryptophan	16.0000 mg/L

### Inorganic Salts

Calcium chloride anhydrous	165.0000 mg/L
Magnesium sulfate anhydrous	97.6600 mg/L
Potassium chloride	330.0000 mg/L
Potassium nitrate	0.0800 mg/L
Sodium chloride	4,505.0000 mg/L
Sodium dihydrogen phosphate x H <sub>2</sub> O	125.0000 mg/L
Sodium selenite x 5H <sub>2</sub> O	0.0100 mg/L

### L-Tyrosine x 2Na x 2H<sub>2</sub>O 10420

L-Valine	94.0000 mg/L
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## Other Components

D(+)-Glucose anhydrous	4,500.0000 mg/L
HEPES	5,958.0000 mg/L
Phenol red	15.0000 mg/L
Sodium pyruvate	110.0000 mg/L

## Vitamins

Choline chloride	4.0000 mg/L
D(+)-Biotin	0.0100 mg/L
D-Calcium pantothenate	4.0000 mg/L
Folic acid	4.0000 mg/L
myo-Inositol	7.2000 mg/L
NaHCO <sub>3</sub>	3,024.0000 mg/L
Nicotinamide	4.0000 mg/L
Pyridoxine x HCl	4.0000 mg/L
Riboflavin	0.0400 mg/L
Thiamine x HCl	4.0000 mg/L
Vitamin B12	0.0100 mg/L