

## Specification

**Product #:** M 3443

**Description:** RPMI 1640 w/o NaHCO<sub>3</sub>, w 20 mM HEPES, w stable glutamine, 500 ml

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**Storage:** 2°C - 8°C

## Testings

### Acceptance Criteria

Incubation at 20°C

Incubation at 32°C

Osmolality

pH Value

### Accepted Result

Sterile

Sterile

260 - 290 mOsm/kg

7.0 - 7.6

## Composition

### Amino Acids

Glycine	10.0000 mg/L
L-Arginine x HCl	241.8600 mg/L
L-Asparagine x H <sub>2</sub> O	50.0000 mg/L
L-Aspartic acid	20.0000 mg/L
L-Cystine x 2HCl	65.1900 mg/L
L-Glutamic acid	20.0000 mg/L
L-Histidine x HCl x H <sub>2</sub> O	20.2700 mg/L
L-Hydroxyproline	20.0000 mg/L
L-Isoleucine	50.0000 mg/L
L-Leucine	50.0000 mg/L
L-Lysine x HCl	40.0000 mg/L
L-Methionine	15.0000 mg/L
L-Phenylalanine	15.0000 mg/L
L-Proline	20.0000 mg/L
L-Serine	30.0000 mg/L
L-Threonine	20.0000 mg/L
L-Tryptophan	5.0000 mg/L
L-Tyrosine x 2Na	28.8300 mg/L
L-Valine	20.0000 mg/L

### Inorganic Salts

Calcium nitrate x 4H <sub>2</sub> O	100.0000 mg/L
di-Sodium hydrogen phosphate	800.4900 mg/L
Magnesium sulfate anhydrous	48.8300 mg/L
Potassium chloride	400.0000 mg/L
Sodium chloride	6,000.0000 mg/L

### Other Components

D(+)-Glucose anhydrous	2,000.0000 mg/L
Glutathion (red.)	1.0000 mg/L
HEPES	20.0000 mM
Phenol red	5.0000 mg/L

## Vitamins

Choline chloride	3.0000 mg/L
D-(+)-Biotin	0.2000 mg/L
D-Calcium pantothenate	0.2500 mg/L
Folic acid	1.0000 mg/L
myo-Inositol	35.0000 mg/L
Nicotinamide	1.0000 mg/L
p-Aminobenzoic acid	1.0000 mg/L
Pyridoxine x HCl	1.0000 mg/L
Riboflavin	0.2000 mg/L
Thiamine x HCl	1.0000 mg/L
Vitamine B12	0.0100 mg/L