

## Specification

**Product #:** M 3429

**Description:** RPMI 1640, w: L-Glutamine, w: 2,0 g/l NaHCO<sub>3</sub>, 500 ml

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**Storage:** 2°C - 8°C

## Testings

### Acceptance Criteria

pH Value

Osmolality

### Accepted Result

7.0 - 7.6

260 - 290 mOsm/kg

## Composition

### Amino Acids

|                                      |               |
|--------------------------------------|---------------|
| Glycine                              | 10.0000 mg/L  |
| Glycine                              | 10.0000 mg/L  |
| L-Arginine x HCl                     | 242.0000 mg/L |
| L-Arginine x HCl                     | 242.0000 mg/L |
| L-Asparagine x H <sub>2</sub> O      | 50.0000 mg/L  |
| L-Asparagine x H <sub>2</sub> O      | 50.0000 mg/L  |
| L-Aspartic acid                      | 20.0000 mg/L  |
| L-Aspartic acid                      | 20.0000 mg/L  |
| L-Cystine x 2HCl                     | 65.0000 mg/L  |
| L-Cystine x 2HCl                     | 65.0000 mg/L  |
| L-Glutamic acid                      | 20.0000 mg/L  |
| L-Glutamic acid                      | 20.0000 mg/L  |
| L-Glutamine                          | 300.0000 mg/L |
| L-Glutamine                          | 300.0000 mg/L |
| L-Histidine x HCl x H <sub>2</sub> O | 20.0000 mg/L  |
| L-Histidine x HCl x H <sub>2</sub> O | 20.0000 mg/L  |
| L-Hydroxyproline                     | 20.0000 mg/L  |
| L-Hydroxyproline                     | 20.0000 mg/L  |
| L-Isoleucine                         | 50.0000 mg/L  |
| L-Isoleucine                         | 50.0000 mg/L  |
| L-Leucine                            | 50.0000 mg/L  |
| L-Leucine                            | 50.0000 mg/L  |
| L-Lysine x HCl                       | 40.0000 mg/L  |
| L-Lysine x HCl                       | 40.0000 mg/L  |
| L-Methionine                         | 15.0000 mg/L  |
| L-Methionine                         | 15.0000 mg/L  |
| L-Phenylalanine                      | 15.0000 mg/L  |
| L-Phenylalanine                      | 15.0000 mg/L  |
| L-Proline                            | 20.0000 mg/L  |
| L-Proline                            | 20.0000 mg/L  |
| L-Serine                             | 30.0000 mg/L  |
| L-Serine                             | 30.0000 mg/L  |
| L-Threonine                          | 20.0000 mg/L  |

|                  |              |
|------------------|--------------|
| L-Threonine      | 20.0000 mg/L |
| L-Tryptophan     | 5.0000 mg/L  |
| L-Tryptophan     | 5.0000 mg/L  |
| L-Tyrosine x 2Na | 29.0000 mg/L |
| L-Tyrosine x 2Na | 29.0000 mg/L |
| L-Valine         | 20.0000 mg/L |
| L-Valine         | 20.0000 mg/L |

## Inorganic Salts

|                                     |                 |
|-------------------------------------|-----------------|
| Calcium nitrate x 4H <sub>2</sub> O | 100.0000 mg/L   |
| Calcium nitrate x 4H <sub>2</sub> O | 100.0000 mg/L   |
| di-Sodium hydrogen phosphate        | 800.0000 mg/L   |
| di-Sodium hydrogen phosphate        | 800.0000 mg/L   |
| Magnesium sulfate anhydrous         | 49.0000 mg/L    |
| Magnesium sulfate anhydrous         | 49.0000 mg/L    |
| Potassium chloride                  | 400.0000 mg/L   |
| Potassium chloride                  | 400.0000 mg/L   |
| Sodium chloride                     | 6,000.0000 mg/L |
| Sodium chloride                     | 6,000.0000 mg/L |

## Other Components

|                        |                 |
|------------------------|-----------------|
| D(+)-Glucose anhydrous | 2,000.0000 mg/L |
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| Glutathion (red.)      | 1.0000 mg/L     |
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| Phenol red             | 5.0000 mg/L     |
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## Vitamins

|                        |                 |
|------------------------|-----------------|
| Choline chloride       | 3.0000 mg/L     |
| Choline chloride       | 3.0000 mg/L     |
| D-(+)-Biotin           | 0.0000 mg/L     |
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| D-Calcium pantothenate | 0.0000 mg/L     |
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| Folic acid             | 1.0000 mg/L     |
| Folic acid             | 1.0000 mg/L     |
| myo-Inositol           | 35.0000 mg/L    |
| myo-Inositol           | 35.0000 mg/L    |
| NaHCO <sub>3</sub>     | 2,000.0000 mg/L |
| NaHCO <sub>3</sub>     | 2,000.0000 mg/L |
| Nicotinamide           | 1.0000 mg/L     |
| Nicotinamide           | 1.0000 mg/L     |
| p-Aminobenzoic acid    | 1.0000 mg/L     |
| p-Aminobenzoic acid    | 1.0000 mg/L     |
| Pyridoxine x HCl       | 1.0000 mg/L     |
| Pyridoxine x HCl       | 1.0000 mg/L     |
| Riboflavin             | 0.0000 mg/L     |
| Riboflavin             | 0.0000 mg/L     |
| Thiamine x HCl         | 1.0000 mg/L     |
| Thiamine x HCl         | 1.0000 mg/L     |
| Vitamine B12           | 0.0000 mg/L     |
| Vitamine B12           | 0.0000 mg/L     |

