

## Specification

**Product #:** M 1419

**Description:** DMEM w: 1,0 g/l Glucose, w: L-Glutamine, w: Sodium pyruvate, w/o: Phenol red, w: 3,7 g/l NaHCO<sub>3</sub>, 500 ml

**Specification:** IM DATENBLATT GEFUNDEN: w: L-Glutamine w: Sodium pyruvate w/o: Phenol red w: 3.7 g/L NaHCO<sub>3</sub>

**Storage:** 2°C - 8°C

## Testings

### Acceptance Criteria

pH Value

Osmolality

Incubation at 32°C

Incubation at 20°C

### Accepted Result

7.0 - 7.6

300 - 330 mOsm/kg

Sterile

Sterile

## Composition

### anhydrous

|        |             |
|--------|-------------|
| 108.69 | 108.69 mg/L |
|--------|-------------|

### Inorganic Salts

|  |               |
|--|---------------|
| Calcium chloride anhydrous             | 200.00 mg/L   |
| Iron (III) nitrate x 9H <sub>2</sub> O | 0.10 mg/L     |
| Magnesium sulfate anhydrous            | 97.66 mg/L    |
| Potassium chloride                     | 400.00 mg/L   |
| Sodium chloride                        | 6,400.00 mg/L |

### Other Components

|                                      |               |
|--------------------------------------|---------------|
| Amino acids L-Arginine x HCl         | 84.00 mg/L    |
| D(+)-Glucose anhydrous               | 1,000.00 mg/L |
| Glycine                              | 30.00 mg/L    |
| L-Cystine x 2HCl                     | 62.58 mg/L    |
| L-Glutamine                          | 584.00 mg/L   |
| L-Histidine x HCl x H <sub>2</sub> O | 42.00 mg/L    |
| L-Isoleucine                         | 104.80 mg/L   |
| L-Leucine                            | 104.80 mg/L   |
| L-Lysine x HCl                       | 146.20 mg/L   |
| L-Methionine                         | 30.00 mg/L    |
| L-Phenylalanine                      | 66.00 mg/L    |
| L-Serine                             | 42.00 mg/L    |
| Phenol red                           | 0.00 mg/L     |
| Sodium pyruvate                      | 110.00 mg/L   |

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|                 |             |
|-----------------|-------------|
| L-Threonine     | 95.20 mg/L  |
| L-Tryptophan    | 16.00 mg/L  |
| L-Tyrosine x Na | 103.79 mg/L |
| L-Valine        | 93.60 mg/L  |

## Vitamins

|                        |               |
|------------------------|---------------|
| Choline chloride       | 4.00 mg/L     |
| D-Calcium pantothenate | 4.00 mg/L     |
| Folic acid             | 4.00 mg/L     |
| myo-Inositol           | 7.00 mg/L     |
| NaHCO <sub>3</sub>     | 3,700.00 mg/L |
| Nicotinamide           | 4.00 mg/L     |
| Pyridoxine x HCl       | 4.00 mg/L     |
| Riboflavin             | 0.40 mg/L     |
| Thiamine x HCl         | 4.00 mg/L     |