

Specification

Product #: M 2011

Description: Ham's F10 Medium, w/o: L-Glutamine, w: 1,2 g/l NaHCO₃, 500 ml

Specification: w/o: L-Glutamine w: 1.2 g/L NaHCO₃

Storage: 2°C - 8°C

Testings

Acceptance Criteria

pH Value

Osmolality

Incubation at 32°C

Incubation at 20°C

Performance

Accepted Result

7.0 - 7.6

282 - 312 mOsm/kg

Sterile

Sterile

Cell Growth

Composition

Amino Acids

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|--------------------------------------|---------------|
| Glycine | 7.5100 mg/L |
| L-Alanine | 8.9100 mg/L |
| L-Arginine x HCl | 211.0000 mg/L |
| L-Asparagine x H ₂ O | 15.0000 mg/L |
| L-Aspartic acid | 13.3000 mg/L |
| L-Cysteine x HCl x H ₂ O | 35.1200 mg/L |
| L-Glutamic acid | 14.7000 mg/L |
| L-Glutamine | 0.0000 mg/L |
| L-Histidine x HCl x H ₂ O | 21.0000 mg/L |
| L-Isoleucine | 2.6000 mg/L |
| L-Leucine | 13.1000 mg/L |
| L-Lysine x HCl | 29.3000 mg/L |
| L-Methionine | 4.4800 mg/L |
| L-Phenylalanine | 4.9600 mg/L |
| L-Proline | 11.5000 mg/L |
| L-Serine | 10.5000 mg/L |
| L-Threonine | 3.5700 mg/L |
| L-Tryptophan | 0.6000 mg/L |
| L-Tyrosine | 1.8100 mg/L |
| L-Valine | 3.5000 mg/L |

Inorganic Salts

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|--|---------------|
| Calcium chloride x 2H ₂ O | 44.0900 mg/L |
| Copper(II) sulfate x 5H ₂ O | 0.0000 mg/L |
| di-Sodium hydrogen phosphate | 153.7000 mg/L |
| Iron (II) sulfate x 7H ₂ O | 0.8300 mg/L |
| Magnesium sulfate anhydrous | 74.6200 mg/L |
| Potassium chloride | 285.0000 mg/L |

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|----------------------------------|-----------------|
| Potassium dihydrogen phosphate | 83.0000 mg/L |
| Sodium chloride | 7,400.0000 mg/L |
| Zinc sulfate x 7H ₂ O | 0.0300 mg/L |

Other Components

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|---------------------------|-----------------|
| 2'-Deoxythymidine | 0.7300 mg/L |
| D(+)-Glucose anhydrous | 1,100.0000 mg/L |
| DL- α -Lipoic acid | 0.2100 mg/L |
| Hypoxanthine | 4.0800 mg/L |
| Phenol red | 10.0000 mg/L |
| Sodium pyruvate | 110.0000 mg/L |

Vitamins

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|------------------------|-----------------|
| Choline chloride | 0.7000 mg/L |
| D(+)-Biotin | 0.0200 mg/L |
| D-Calcium pantothenate | 0.7200 mg/L |
| Folic acid | 1.3200 mg/L |
| myo-Inositol | 0.5400 mg/L |
| NaHCO ₃ | 1,200.0000 mg/L |
| Nicotinamide | 0.6200 mg/L |
| Pyridoxine x HCl | 0.2100 mg/L |
| Riboflavin | 0.3800 mg/L |
| Thiamine x HCl | 1.0100 mg/L |
| Vitamin B12 | 1.3600 mg/L |