

Specification

Product #: M 2030

Description: Ham's F-10 w/o phenol red, w 1.2 g/l NaHCO₃, w 10 mM HEPES, 500 ml

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Storage: 2°C - 8°C

Testings

Acceptance Criteria

Incubation at 20°C

Incubation at 32°C

Osmolality

Performance

pH Value

Accepted Result

Sterile

Sterile

282 - 312 mOsm/kg

Cell Growth

7.0 - 7.6

Composition

Amino Acids

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

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

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

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

Vitamins

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