

Specification

Product #: M 5001

Description: RPMI 1640, 500 ml

Specification: RPMI 1640 Medium, w/o: glutamine, w: Sodium Bicarbonate (Formulation as BI 01-104-1A)

Storage: 2°C - 8°C

Testings

Acceptance Criteria

Osmolality

pH Value

Accepted Result

260 - 290 mOsm/kg

7.0 - 7.6

Composition

Amino Acids

Glycine	10.0000 mg/L
L-Arginine	200.0000 mg/L
L-Asparagine x H ₂ O	50.0000 mg/L
L-Aspartic acid	20.0000 mg/L
L-Cystine	50.0000 mg/L
L-Histidine	15.0000 mg/L
L-Hydroxyproline	20.0000 mg/L
L-Isoleucine	50.0000 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	20.0000 mg/L
L-Valine	20.0000 mg/L

Inorganic Salts

Calcium nitrate x 4H ₂ O	100.0000 mg/L
Magnesium sulfate (MgSO ₄)	48.8400 mg/L
Potassium chloride	400.0000 mg/L
Sodium bicarbonate (NaHCO ₃)	2,000.0000 mg/L
Sodium chloride (NaCl)	6,000.0000 mg/L
Sodium Phosphate (Na ₂ HPO ₄)	800.8500 mg/L

Other Components

Glucose	2,000.0000 mg/L
Glutathione (red.)	1.0000 mg/L
L-Leucine	50.0000 mg/L
L-Lysine x HCl	40.0000 mg/L

Phenol red	5.0000 mg/L
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Vitamins

Biotin	0.2000 mg/L
Cholin chloride	3.0000 mg/L
D-Calcium pantothenate	0.2500 mg/L
Folic acid	1.0000 mg/L
i-Inositol	35.0000 mg/L
Niacinamide	1.0000 mg/L
p-Aminobenzoic acid	1.0000 mg/L
Riboflavin	0.2000 mg/L
Thiamine x HCl	1.0000 mg/L
Vitamin B12	0.0050 mg/L