

Specification

Product #: M 4502

Description: William's Medium E, w/o: L-Glutamine, w/o: Phenol red, w: 2,24 g/l NaHCO₃, 500 ml

Specification: w/o: L-Glutamine w/o: Phenol red w: 2.24 g/L NaHCO₃

Storage: 2°C - 8°C

Testings

Acceptance Criteria

Accepted Result

pH Value	7.0 - 7.6
Osmolality	285 - 310 mOsm/kg
Incubation at 32°C	Sterile
Incubation at 20°C	Sterile

Composition

Amino Acids

Glycine	50.0000 mg/L
L-Alanine	90.0000 mg/L
L-Arginine free base	50.0000 mg/L
L-Asparagine x H ₂ O	20.0000 mg/L
L-Aspartic acid	30.0000 mg/L
L-Cysteine	40.0000 mg/L
L-Cystine	20.0000 mg/L
L-Glutamic acid	50.0000 mg/L
L-Glutamine	0.0000 mg/L
L-Histidine base	15.0000 mg/L
L-Isoleucine	50.0000 mg/L
L-Leucine	75.0000 mg/L
L-Lysine x HCl	87.5000 mg/L
L-Methionine	15.0000 mg/L
L-Phenylalanine	25.0000 mg/L
L-Proline	30.0000 mg/L
L-Serine	10.0000 mg/L
L-Threonine	40.0000 mg/L
L-Tryptophan	10.0000 mg/L
L-Tyrosine	35.0000 mg/L
L-Valine	50.0000 mg/L

Inorganic Salts

Calcium chloride x 2H ₂ O	264.9200 mg/L
Copper (II)-sulfate x 5H ₂ O	0.0000 mg/L
Iron (III)-nitrat x 9H ₂ O	0.0000 mg/L
Magnesium sulfate	97.6700 mg/L
Manganese chloride x 4H ₂ O	0.0000 mg/L
Potassium chloride	400.0000 mg/L

Sodium chloride	6,800.0000 mg/L
Sodium dihydrogen phosphate x H ₂ O	140.0000 mg/L
Zinc sulfate x 7H ₂ O	0.0000 mg/L

Other Components

D(+)-Glucose anhydrous	2,000.0000 mg/L
Glutathione (red.)	0.0500 mg/L
Methylinoleat	0.0300 mg/L
Phenol red	0.0000 mg/L
Sodium pyruvate	25.0000 mg/L

Vitamins

Calciferol	0.1000 mg/L
Choline chloride	1.5000 mg/L
D(+)-Biotin	0.5000 mg/L
D-Calcium pantothenate	1.0000 mg/L
DL- α -Tocopherol phosphate-Na ₂	0.0100 mg/L
Folic acid	1.0000 mg/L
L-Ascorbic acid	2.0000 mg/L
Menadion sodium bisulfate	0.0100 mg/L
myo-Inositol	2.0000 mg/L
NaHCO ₃	2,240.0000 mg/L
Nicotinamide	1.0000 mg/L
Pyridoxal x HCl	1.0000 mg/L
Riboflavin	0.1000 mg/L
Thiamine x HCl	1.0000 mg/L
Vitamin A acetate	0.1000 mg/L
Vitamin B12	0.2000 mg/L