

Product Information

Medium 199 with Earle's Salts, with L-Glutamine
Cat. No. M199-A (500 ml)

Product Specifications

Appearance	Clear red orange solution
CO ₂ concentration, optimum	5.0 %
Storage and shelf life	Store at +2°C to +8°C protected from light. Once opened, store at 4°C and use within 6-8 weeks.
Shipping conditions	Ambient

Formulation

Components	Concentration mg/L
Amino Acids:	
L-Alanine	25.00
L-Arginine HCl	70.00
L-Aspartic Acid	30.00
L-Cysteine HCl H ₂ O	0.11
L-Cystine 2HCl	26.00
L-Glutamic Acid	66.80
L-Glutamine	100.00
Glycine	50.00
L-Histidine HCl H ₂ O	21.88
L-Hydroxy-L-Proline	10.00
L-Isoleucine	20.00
L-Leucine	60.00
L-Lysine HCl	70.00
L-Methionine	15.00
L-Phenylalanine	25.00
L-Proline	40.00
L-Serine	25.00
L-Threonine	30.00
L-Tryptophan	10.00
L-Tyrosine 2Na 2H ₂ O	57.66
L-Valine	25.00
Vitamins:	
Ascorbic Acid	0.056
D-Biotin	0.01
Calciferol	0.10
Choline chloride	0.50
D-Calcium Pantothenate	0.01
Folic Acid	0.01
Menadione Sodium Bisulfite	0.016
myo-Inositol	0.05

Components	Concentration mg/L
Nicotinamide	0.025
Nicotinic Acid	0.025
Paraaminobenzoic Acid	0.05
Pyridoxal HCl	0.025
Pyridoxine HCl	0.025
Riboflavin	0.01
Thiamine HCl	0.01
Vitamin A (Acetate)	0.14
(±)-α-Tocopherol Phosphate 2Na	0.01
Inorganic Salts:	
CaCl ₂ 2H ₂ O	265.00
Fe(NO ₃) ₃ 9 H ₂ O	0.72
MgSO ₄ (anhydrous)	97.67
KCl	400.00
Na Acetate (anhydrous)	50.00
NaHCO ₃	2200.00
NaCl	6800.00
NaH ₂ PO ₄ (anhydrous)	122.00
Other Components:	
2-Deoxy-D-Ribose	0.50
Adenine Sulfate	10.00
Adenosine 5'-Phosphate	0.24
Adenosine 5'-Triphosphate 2Na	1.00
Cholesterol	0.20
D-Glucose	1000.00
L-Glutathione (reduced)	0.05
Guanine HCl	0.30
Hypoxanthine	0.30

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Phenol Red Sodium Salt	21.3
D-Ribose	0.50
Thymine	0.30
Tween® 80	20.00
Uracil	0.30
Xanthine Na	0.34

Tween is a registered trademark of Croda International PLC.

Precautions and Disclaimer

This product is for research use only. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Help Needed?

If you have any further questions regarding this product, please do not hesitate to contact our cell culture experts by email (techservice@capricorn-scientific.com) or phone (+49 6424 944640).