

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	50.00
L-Arginine HCl	70.00
L-Aspartic Acid	60.00
L-Cysteine HCl H ₂ O	0.11
L-Cystine 2HCl	26.00
L-Glutamic Acid	133.60
L-Glutamine	100.00
Glycine	50.00
L-Histidine HCl H ₂ O	21.88
L-Hydroxy-L-Proline	10.00
L-Isoleucine	40.00
L-Leucine	120.00
L-Lysine HCl	70.00
L-Methionine	30.00
L-Phenylalanine	50.00
L-Proline	40.00
L-Serine	50.00
L-Threonine	60.00
L-Tryptophan	20.00
L-Tyrosine 2Na 2H ₂ O	57.66
L-Valine	50.00
Vitamins:	
Ascorbic Acid	0.056
D-Biotin	0.01
Choline chloride	0.50
D-Calcium Pantothenate	0.01
Folic Acid	0.01
Menadione Sodium Bisulfite	0.016
myo-Inositol	0.05
Nicotinamide	0.025

Components	Concentration mg/L
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
Vitamin D2 (Ergocalciferol)	0.10
(±)-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	97.67
KCl	400.00
NaHCO ₃	1250.00
NaCl	6800.00
Na ₂ HPO 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	0.30
Hypoxanthine	0.30

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Phenol Red Sodium Salt	21.3
D-Ribose	0.50
Sodium Acetate	50.00
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).