

Product Information

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

Product Specifications

Appearance	Clear red orange solution
CO ₂ concentration, optimum	0 - 2 %
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
L-Alanine	25.00
L-Arginine HCl	70.00
L-Aspartic Acid	30.00
L-Cysteine HCl H ₂ O	0.10
L-Cystine 2 HCl	26.00
L-Glutamic Acid	67.00
L-Glutamine	100.00
Glycine	50.00
L-Histidine HCl H ₂ O	22.00
L-Hydroxyproline	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 2 Na	57.66
L-Valine	25.00
Vitamins:	
Ascorbic Acid	0.05
Calciferol	0.100
Choline Chloride	0.50
D-Biotin	0.01
D-Calcium Pantothenate	0.01
(±)-α-Tocopherol Phosphate 2 Na	0.01
Folic Acid	0.01
Menadione	0.01

Components	Concentration mg/L
myo-Inositol	0.05
Nicotinamide	0.025
Nicotinic Acid	0.025
Pyridoxal HCl	0.025
Pyridoxine HCl	0.025
Vitamin A (Acetate)	0.14
Riboflavin	0.01
Thiamine HCl	0.01
Paraaminobenzoic Acid	0.05
Inorganic Salts:	
CaCl ₂ 2 H ₂ O	185.00
Fe(NO ₃) ₃ 9 H ₂ O	0.72
MgSO ₄	97.67
KCl	400.00
KH ₂ PO ₄	60.00
Na Acetate	50.00
NaHCO ₃	0.35
NaCl	8000.00
Na ₂ HPO ₄	47.86
Other Components:	
Adenine Sulfate	10.00
Adenosine 5'-Phosphate	0.20
Adenosine 5'-Triphosphate 2Na	1.00
Cholesterol	0.20
Deoxyribose	0.50
D-Glucose	1000.00
Glutathione (reduced)	0.05
Guanine HCl	0.30
Hypoxanthine	0.354

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Phenol Red	15.00
Tween®80	4.90
D-Ribose	0.50
Thymine	0.30
Uracil	0.30
Xanthine Na	0.344

Precautions and Disclaimer

This product is for research use only.

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).