

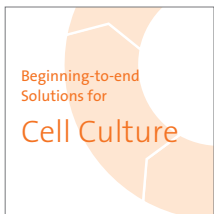
CORNING

Medium 199

Formulation

Cat. No.	10-060	50-050	50-051	90-050
Description	Liquid, 1x	Powder	Powder	Powder
Units	mg/L	mg/L	mg/L	mg/L
Components				
<i>Inorganic Salts</i>				
CaCl ₂ (anhydrous)	200.00	200.00	140.00	200.00
Fe(NO ₃) ₃ • 9H ₂ O	0.72	0.72	0.72	0.72
KCl	400.00	400.00	400.00	400.00
KH ₂ PO ₄	--	--	60.00	--
MgSO ₄ (anhydrous)	97.70	97.70	97.70	97.70
NaCl	6800.00	6800.00	8000.00	6800.00
NaH ₂ PO ₄ • H ₂ O	140.00	140.00	--	140.00
Na ₂ HPO ₄ (anhydrous)	--	--	47.50	--
NaHCO ₃	2200.00	--	--	--
<i>Amino Acids</i>				
L-Alanine	25.00	25.00	25.00	25.00
L-Arginine • HCl	70.00	70.00	70.00	70.00
L-Aspartic acid	30.00	30.00	30.00	30.00
L-Cysteine • HCl • H ₂ O	0.11	0.11	0.11	0.11
L-Cystine • 2HCl	26.00	26.00	26.00	26.00
L-Glutamic acid	75.00	75.00	75.00	75.00
L-Glutamine	100.00	100.00	100.00	--
Glycine	50.00	50.00	50.00	50.00
L-Histidine • HCl • H ₂ O	21.88	21.88	21.88	21.88
Hydroxy-L-proline	10.00	10.00	10.00	10.00
L-Isoleucine	20.00	20.00	20.00	20.00
L-Leucine	60.00	60.00	60.00	60.00
L-Lysine • HCl	70.00	70.00	70.00	70.00
L-Methionine	15.00	15.00	15.00	15.00
L-Phenylalanine	25.00	25.00	25.00	25.00
L-Proline	40.00	40.00	40.00	40.00
L-Serine	25.00	25.00	25.00	25.00
L-Threonine	30.00	30.00	30.00	30.00
L-Tryptophan	10.00	10.00	10.00	10.00
L-Tryosine • 2Na • 2H ₂ O	57.87	57.87	57.87	57.87
L-Valine	25.00	25.00	25.00	25.00
<i>Vitamins</i>				
DL-alpha-Tocopherol • PO ₄ • Na	0.01	0.01	0.01	0.01
Ascorbic acid	0.05	0.05	0.05	0.05
Biotin	0.01	0.01	0.01	0.01
Calciferol	0.10	0.10	0.10	0.10
D-Calcium pantothe-nate	0.01	0.01	0.01	0.01

Components (continued)	(10-060)	(50-050)	(50-051)	(90-050)
<i>Vitamins</i>				
Choline chloride	0.50	0.50	0.50	0.50
Folic acid	0.01	0.01	0.01	0.01
<i>i</i> -Inositol	0.05	0.05	0.05	0.05
Menadione • NaHSO ₃ • 3H ₂ O	0.019	0.019	0.019	0.019
Nicotinic acid	0.025	0.025	0.025	0.025
Nicotinamide	0.025	0.025	0.025	0.025
Para-Aminobenzoic acid	0.05	0.05	0.05	0.05
Pyridoxine • HCl	0.05	0.05	0.05	0.05
Riboflavin	0.01	0.01	0.01	0.01
Thiamine • HCl	0.01	0.01	0.01	0.01
Vitamin A acetate	0.14	0.14	0.14	0.14
<i>Other</i>				
Adenine sulfate	10.00	10.00	10.00	10.00
5-Adenylic acid • H ₂ O	0.20	0.20	0.20	0.20
ATP • 2Na • 3H ₂ O	1.00	1.00	1.00	1.00
Cholesterol	0.20	0.20	0.20	0.20
2-Deoxy-D-ribose	0.50	0.50	0.50	0.50
D-Glucose	1000.00	1000.00	1000.00	1000.00
Glutathione (reduced)	0.05	0.05	0.05	0.05
Guanine • HCl	0.30	0.30	0.30	0.30
Hypoxanthine • Na	0.354	0.354	0.354	0.354
Phenol red • Na	10.00	10.00	10.00	--
D-Ribose	0.50	0.50	0.50	0.50
Sodium acetate	50.00	50.00	50.00	50.00
Thymine	0.30	0.30	0.30	0.30
Polysorbate 80	20.00	20.00	20.00	20.00
Uracil	0.30	0.30	0.30	0.30
Xanthine • Na	0.34	0.34	0.34	0.34
<i>Add</i>				
NaHCO ₃ Powder (g/L)	--	2.20	0.35	2.20
7.5% Solution (mL/L)	--	29.33	4.67	29.33
L-Glutamine Powder (mg/L)	--	--	--	100.00
200 mM Solution (mL/L)	--	--	--	3.40



www.corning.com/lifesciences/solutions

At Corning, cells are in our culture. In our continuous efforts to improve efficiencies and develop new tools and technologies for life science researchers, we have scientists working in Corning R&D labs across the globe, doing what you do every day. From seeding starter cultures to expanding cells for assays, our technical experts understand your challenges and your increased need for more reliable cells and cellular material.

It is this expertise, plus a 160-year history of Corning innovation and manufacturing excellence, that puts us in a unique position to offer a beginning-to-end portfolio of high-quality, reliable cell culture consumables.

For additional product or technical information, please visit www.cellgro.com or call 1.800.235.5476.

Mediatech, Inc.
A Corning Subsidiary
9345 Discovery Boulevard
Manassas, VA 20109
t 800.235.5476
t 703.471.5955
f 703.467.9851
www.cellgro.com

CORNING | **FALCON**[®] | **AXYGEN**[®] | **GOSSSELIN**[™] | **PYREX**[®]

Corning cellgro products are manufactured by Mediatech, Inc.
For a listing of Corning trademarks, visit us at www.cellgro.com/about-us/trademarks.html
All other trademarks in this document are the property of their respective owners.