

CORNING

DMEM

Formulation

Cat. No.	10-013	10-014	10-017	10-027	10-101	10-102	15-013	15-017	15-018
Description	Liquid, 1x	Liquid, 1x	Liquid, 1x	Liquid, 1x	Liquid, 1x	Liquid, 1x	Liquid, 1x	Liquid, 1x	Liquid, 1x
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Components									
<i>Inorganic Salts</i>									
CaCl ₂ (anhydrous)	200	200	200	200	200	200	200	200	200
Fe(NO ₃) ₃ • 9H ₂ O	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
KCl	400	400	400	400	400	400	400	400	400
MgSO ₄ (anhydrous)	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
NaCl	6400	6400	6400	4750	6400	6400	6400	6400	6400
NaH ₂ PO ₄ • H ₂ O	125	125	125	125	125	125	125	125	125
NaHCO ₃	3700	3700	3700	3700	3700	3700	3700	3700	3700
<i>Amino Acids</i>									
L-Arginine • HCl	84	84	84	84	84	84	84	84	84.00
L-Cystine • 2HCl	62.57	62.57	62.57	62.57	62.57	62.57	62.57	62.57	62.57
L-Alanyi-L-glutamine	--	--	--	--	869	869	--	--	--
L-Glutamine	584	584	584	584	--	--	--	--	--
Glycine	30	30	30	30	30	30	30	30	30.00
L-Histidine • HCl • H ₂ O	42	42	42	42	42	42	42	42	42.00
L-Isoleucine	104.8	104.8	104.8	104.8	104.8	104.8	104.8	104.8	104.80
L-Leucine	104.8	104.8	104.8	104.8	104.8	104.8	104.8	104.8	104.80
L-Lysine • HCl	146.2	146.2	146.2	146.2	146.2	146.2	146.2	146.2	146.20
L-Methionine	30	30	30	30	30	30	30	30	30.00
L-Phenylalanine	66	66	66	66	66	66	66	66	66.00
L-Serine	42	42	42	42	42	42	42	42	42.00
L-Threonine	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.20
L-Tryptophan	16	16	16	16	16	16	16	16	16.00
L-Tyrosine • 2Na • 2H ₂ O	103.79	103.79	103.79	103.79	103.79	103.79	103.79	103.79	103.79
L-Valine	94	94	94	94	94	94	94	94	94.00
<i>Vitamins</i>									
D-Calcium pantothenate	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
Choline chloride	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
Folic acid	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
<i>i</i> -Inositol	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20
Nicotinamide	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
Pyridoxine • HCl	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
Riboflavin	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
Thiamine • HCl	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
<i>Other</i>									
D-Glucose	4500.00	1000.00	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
Phenol red • Na	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Sodium pyruvate	110.00	110.00	--	--	110.00	--	110.00	--	110.00
HEPES	--	--	--	5958.00	--	--	--	--	5958.00
<i>Add</i>									
L-Glutamine Powder (mg/L)	--	--	--	--	--	--	584.00	584.00	584.00
200 mM Solution (mL/L)	--	--	--	--	--	--	20.00	20.00	20.00

Cat. No.	17-204	17-205	17-207	50-003	50-013	90-013	90-113
Description	Liquid, 1x	Liquid, 1x	Liquid, 1x	Powder	Powder	Powder	Powder
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L

Components

Inorganic Salts

CaCl ₂ (anhydrous)	200	200.00	200.00	200.00	200.00	200.00	200.00
Fe(NO ₃) ₃ • 9H ₂ O	0.1	0.10	0.10	0.10	0.10	0.10	0.10
KCl	400	400.00	400.00	400.00	400.00	400.00	400.00
MgSO ₄ (anhydrous)	97.7	97.70	97.70	97.70	97.70	97.70	97.70
NaCl	6400	6400.00	6400.00	6400.00	6400.00	6400.00	6400.00
NaH ₂ PO ₄ • H ₂ O	125	125.00	125.00	125.00	125.00	125.00	125.00
NaHCO ₃	3700	3700.00	3700.00	--	--	--	--

Amino Acids

L-Arginine • HCl	84.00	84.00	84.00	84.00	84.00	84.00	84.00
L-Cystine • 2HCl	--	62.57	62.57	62.57	62.57	62.57	62.57
L-Glutamine	--	--	--	584.00	584.00	--	--
Glycine	30.00	30.00	30.00	30.00	30.00	30.00	30.00
L-Histidine •HCl • H ₂ O	42.00	42.00	42.00	42.00	42.00	42.00	42.00
L-Isoleucine	104.80	104.80	104.80	104.80	104.80	104.80	104.80
L-Leucine	104.80	104.80	104.80	104.80	104.80	104.80	104.80
L-Lysine • HCl	146.20	146.20	146.20	146.20	146.20	146.20	146.20
L-Methionine	--	30.00	30.00	30.00	30.00	30.00	30.00
L-Phenylalanine	66.00	66.00	66.00	66.00	66.00	66.00	66.00
L-Serine	42.00	42.00	42.00	42.00	42.00	42.00	42.00
L-Threonine	95.20	95.20	95.20	95.20	95.20	95.20	95.20
L-Tryptophan	16.00	16.00	16.00	16.00	16.00	16.00	16.00
L-Tyrosine • 2Na • 2H ₂ O	103.79	103.79	103.79	103.79	103.79	103.79	103.79
L-Valine	94.00	94.00	94.00	94.00	94.00	94.00	94.00

Vitamins

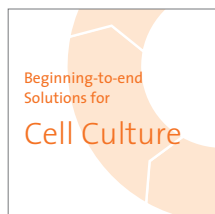
D-Calcium pantothenate	4.00	4.00	4.00	4.00	4.00	4.00	4.00
Choline chloride	4.00	4.00	4.00	4.00	4.00	4.00	4.00
Folic acid	4.00	4.00	4.00	4.00	4.00	4.00	4.00
<i>i</i> -Inositol	7.20	7.20	7.20	7.20	7.20	7.20	7.20
Nicotinamide	4.00	4.00	4.00	4.00	4.00	4.00	4.00
Pyridoxine • HCl	4.00	4.00	4.00	4.00	4.00	4.00	4.00
Riboflavin	0.40	0.40	0.40	0.40	0.40	0.40	0.40
Thiamine • HCl	4.00	4.00	4.00	4.00	4.00	4.00	4.00

Other

D-Glucose	4500.00	4500.00	--	4500.00	4500.00	4500.00	--
Phenol red • Na	15.00	--	15.00	15.00	15.00	--	--
Sodium pyruvate	110.00	110.00	--	110.00	--	--	--
HEPES	--	--	--	--	--	--	--

Add

NaHCO ₃ Powder (g/L)	--	--	--	3.70	3.70	--	3.70
7.5% Solution (mL/L)	--	--	--	49.40	49.40	--	49.40
L-Glutamine Powder (mg/L)	584.00	584.00	584.00	--	--	--	584.00
200 mM Solution (mL/L)	20.00	20.00	20.00	--	--	--	20.00



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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

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