

CORNING

Iscove's Modification of DMEM Formulation

Cat. No.	10-016	15-016	50-016
Description	Liquid, 1x	Liquid, 1x	Powder
Units	mg/L	mg/L	mg/L

Components

Inorganic Salts

CaCl ₂ (anhydrous)	165.00	165.00	165.00
KCl	330.00	330.00	330.00
KNO ₃	0.076	0.076	0.076
MgSO ₄ (anhydrous)	97.70	97.70	97.70
Na ₂ SeO ₃	0.0173	0.0173	0.0173
NaCl	4505.00	4505.00	4505.00
NaH ₂ PO ₄ • H ₂ O	125.00	125.00	125.00
NaHCO ₃	3024.00	3024.00	--

Amino Acids

L-Alanine	25.00	25.00	25.00
L-Arginine • HCl	84.00	84.00	84.00
L-Asparagine • H ₂ O	28.40	28.40	28.40
L-Aspartic acid	30.00	30.00	30.00
L-Cystine • 2HCl	91.24	91.24	91.24
L-Glutamic acid	75.00	75.00	75.00
L-Glutamine	584.00	--	584.00
Glycine	30.00	30.00	30.00
L-Histidine • HCl • H ₂ O	42.00	42.00	42.00
L-Isoleucine	105.00	105.00	105.00
L-Leucine	105.00	105.00	105.00
L-Lysine • HCl	146.00	146.00	146.00
L-Methionine	30.00	30.00	30.00
L-Phenylalanine	66.00	66.00	66.00
L-Proline	40.00	40.00	40.00
L-Serine	42.00	42.00	42.00
L-Threonine	95.00	95.00	95.00
L-Tryptophan	16.00	16.00	16.00
L-Tyrosine • 2Na • 2H ₂ O	103.79	103.79	103.79
L-Valine	94.00	94.00	94.00

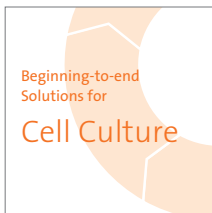
Vitamins

Biotin	0.013	0.013	0.013
D-Calcium pantothenate	4.00	4.00	4.00
Choline chloride	4.00	4.00	4.00
Folic acid	4.00	4.00	4.00
<i>i</i> -Inositol	7.20	7.20	7.20
Nicotinamide	4.00	4.00	4.00
Pyridoxine • HCl	4.00	4.00	4.00
Riboflavin	0.40	0.40	0.40
Thiamine • HCl	4.00	4.00	4.00
Vitamin B ₁₂	0.013	0.013	0.013

Components (continued)	(10-016)	(15-016)	(50-016)
<i>Other</i>			
D-Glucose	4500.00	4500.00	4500.00
HEPES	5958.00	5958.00	5958.00
Phenol red • Na	15.00	15.00	15.00
Sodium pyruvate	110.00	110.00	110.00

Add

L-Glutamine Powder (mg/L)	--	584.00	--
200 mM Solution (mL/L)	--	20.00	--



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