


BioWhittaker™クラシック培地の組成

続き


イスコフ改変ダルベッコ (IMDM)

カタログ番号	12-722 Liquid mg/L	12-726 Liquid mg/L	12-915 Liquid mg/L
Component			
Inorganic Salts			
CaCl ₂ (anhyd.)	165.00	165.00	165.00
KCl	330.00	330.00	330.00
KNO ₃	0.076	0.076	0.076
MgSO ₄ (anhyd.)	97.66	97.67	97.67
NaCl	4,505.00	4,505.00	4,505.00
NaHCO ₃	3,024.00	3,024.00	3,024.00
NaH ₂ PO ₄ •H ₂ O	125.00	125.00	125.00
Na ₂ SeO ₃ •5H ₂ O	0.01	0.01	0.01
Other Components			
Glucose	4,500.00	4,500.00	4,500.00
HEPES	5,958.00	5,958.00	5,958.00
Phenol Red•Na	15.00	15.00	15.00
Sodium Pyruvate	110.00	110.00	110.00
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-Cysteine•2HCl	91.24	91.24	91.24
L-Glutamic Acid	75.00	75.00	75.00
L-Glutamine	584.00	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	104.20	104.20	104.20
L-Valine	94.00	94.00	94.00
Vitamins			
d-Biotin	0.013	0.013	0.013
D-Ca Pantothenate	4.00	4.00	4.00
Choline Chloride	4.00	4.00	4.00
Folic Acid	4.00	4.00	4.00
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

 Iscove, N.N. and F. Melchers (1978) J. of Exptl. Med. 147: 923 – 933.


L-15 (リーボビッツ)

カタログ番号	12-669 2X Liquid mg/L	12-700 Liquid mg/L
Component		
Inorganic Salts		
CaCl ₂ (anhyd.)	280.00	140.00
KCl	800.00	400.00
KH ₂ PO ₄	120.00	60.00
MgCl ₂ anhyd.)	187.34	93.67
MgSO ₄ (anhyd.)	195.46	97.70
NaCl	16,000.00	8,000.00
Na ₂ HPO ₄ (anhyd.)	380.00	190.00
Other Components		
D (+) Galactose	1,800.00	900.00
Phenol Red•Na		10.00
Sodium Pyruvate	1,100.00	550.00
Amino Acids		
DL-Alanine	900.00	450.00
L-Arginine	1,000.00	500.00
L-Asparagine	500.00	250.00
L-Cysteine	240.00	120.00
Glycine	400.00	200.00
L-Histidine	500.00	250.00
DL-Isoleucine	500.00	250.00
L-Leucine	250.00	125.00
L-Lysine	150.00	75.00
DL-Methionine	300.00	150.00
DL-Phenylalanine	500.00	250.00
L-Serine	400.00	200.00
DL-Threonine	1,200.00	600.00
L-Tryptophan	40.00	20.00
L-Tyrosine•2Na•2H ₂ O	370.00	370.00
DL-Valine	400.00	200.00
Vitamins		
DL-Ca Pantothenate	2.00	1.00
Choline Chloride	2.00	1.00
Folic Acid	2.00	1.00
i-Inositol	4.00	2.00
Nicotinamide	2.00	1.00
Pyridoxine•HCl	2.00	1.00
Riboflavin-5-P ₄ •Na	0.20	0.10
Thiamine •Monophosphate	2.00	1.00

 Leibovitz, A. (1963) Am. J. Hyg. 78: 173 – 180.

マッコイ 5A

カタログ番号	12-168 Liquid mg/L	12-688 Liquid mg/L
Component		
Inorganic Salts		
CaCl ₂ (anhyd.)	100.00	100.00
KCl	400.00	400.00
MgSO ₄ •7H ₂ O	200.00	200.00
NaCl	5,460.00	6,460.00
NaHCO ₃	2,200.00	2,200.00
NaH ₂ PO ₄ •H ₂ O	580.00	580.00
Other Components		
Bactopeptone	600.00	600.00
Glucose	3,000.00	3,000.00
Glutathione (reduced)	0.50	0.50
HEPES	5,957.40	
Phenol Red•Na	10.00	10.00
Amino Acids		
L-Alanine	13.36	13.36
L-Arginine•HCl	42.14	42.14
L-Asparagine•H ₂ O	45.03	45.03
L-Aspartic Acid	19.97	19.97
L-Cysteine•HCl•H ₂ O	35.12	35.12
L-Glutamic Acid	22.07	22.07
L-Glutamine	219.15	219.15
Glycine	7.51	7.51
L-Histidine•HCl•H ₂ O	20.96	20.96
Hydroxy L•Proline	19.67	19.67
L-Isoleucine	39.36	39.36
L-Leucine	39.36	39.36
L-Lysine•HCl	36.54	36.54
L-Methionine	14.92	14.92
L-Phenylalanine	16.52	16.52
L-Proline	17.27	17.27
L-Serine	26.28	26.28
L-Threonine	17.87	17.87
L-Tryptophan	3.06	3.06
L-Tyrosine	18.12	18.12
L-Valine	17.57	17.57
Vitamins		
p-Aminobenzoic Acid	1.00	1.00
Ascorbic Acid	0.50	0.50
d-Biotin	0.20	0.20
D-Ca Pantothenate	0.20	0.20
Choline Chloride	5.00	5.00
Folic Acid	10.00	10.00
i-Inositol	36.00	36.00
Nicotinamide	0.50	0.50
Nicotinic Acid	0.50	0.50
Pyridoxal•HCl	0.50	0.50
Pyridoxine•HCl	0.50	0.50
Riboflavin	0.20	0.20
Thiamine•HCl	0.20	0.20
Vitamin B ₁₂	2.00	2.00

 McCoy, T.A., M. Maxwell, and P.F. Kruse, Jr. (1959) Proc. Soc. Exptl. Biol. Med. 100: 115 – 118.