

## BioWhittaker™クラシック培地の組成

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## 最少必須培地 (MEM)

カタログ番号 Component	04-719 Liquid mg/L	06-174 Liquid mg/L	12-125 Liquid mg/L	12-127 Liquid mg/L	12-136 Liquid mg/L	12-137 Liquid mg/L	12-169 Liquid mg/L	12-611 Liquid mg/L	15-611 Powder mg/L	12-662 Liquid mg/L	12-668 Liquid 2X mg/L
Inorganic Salts											
CaCl <sub>2</sub> •2H <sub>2</sub> O			265.00	186.00	265.00	186.00	265.00	265.00	264.87	265.00	530.00
KCl	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	800.00
KH <sub>2</sub> PO <sub>4</sub>				60.00		60.00					
MgCl <sub>2</sub> •6H <sub>2</sub> O	200.00										
MgSO <sub>4</sub> (anhyd.)									97.67		
MgSO <sub>4</sub> •7H <sub>2</sub> O		200.00	200.00	200.00	200.00	200.00	200.00	200.00		200.00	400.00
NaCl	6500.00	6800.00	6800.00	8000.00	5800.00	7000.00	6800.00	6800.00	6800.00	6800.00	13600.00
NaHCO <sub>3</sub>	2000.00	2200.00	2200.00	350.00	2200.00	350.00	2200.00	2200.00		2200.00	4400.00
NaH <sub>2</sub> PO <sub>4</sub> (anhyd.)									121.74		
NaH <sub>2</sub> PO <sub>4</sub> •H <sub>2</sub> O	1327.00	140.00	140.00		140.00		140.00	140.00		140.00	280.00
NaH <sub>2</sub> PO <sub>4</sub> •7H <sub>2</sub> O				90.00		90.00					
Other Components											
Glucose	2000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	2000.00
HEPES					5957.40	5957.50					
Lipoic Acid							0.20				
Phenol Red•Na	10.00	10.00	10.00	20.00	10.00	20.00	10.00	10.00	10.20	10.00	
Sodium Pyruvate							110.00			110.00	
Amino Acids											
L-Alanine		8.90					25.00			8.90	
L-Arginine•HCl	126.00	126.40	126.40	126.40	126.40	126.40	126.40	126.40	126.98	126.40	252.80
L-Asparagine										13.21	
L-Asparagine•H <sub>2</sub> O		13.21					50.00				
L-Aspartic Acid		13.30					30.00			13.30	
Cysteine•HCl•H <sub>2</sub> O							100.00				
L-Cystine•2HCl	32.40								31.29		
L-Cystine		24.00	24.00	24.00	24.00	24.00	24.00	24.00		24.00	48.00
L-Glutamic Acid		14.70					75.00			14.70	
L-Glutamine	294.00	292.00						292.00	292.00		
Glycine		7.50					50.00			7.50	
L-Histidine, free base	31.00										
L-Histidine•HCl•H <sub>2</sub> O		42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	84.00
L-Isoleucine	52.00	52.40	52.40	52.40	52.40	52.40	52.40	52.40	52.00	52.40	104.80
L-Leucine	52.00	52.40	52.40	52.40	52.40	52.40	52.40	52.40	52.00	52.40	104.80
L-Lysine, free base	58.00										
L-Lysine•HCl		73.00	73.00	73.00	73.00	73.00	73.00	73.00	72.46	73.00	146.00
L-Methionine	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	30.00
L-Phenylalanine	32.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	32.00	33.00	66.00
L-Proline		11.50					40.00			11.50	
L-Serine		10.50					25.00			10.50	
L-Threonine	48.00	47.60	47.60	47.60	47.60	47.60	47.60	47.60	48.00	47.60	95.20
L-Tryptophan	10.00	10.20	10.20	10.20	10.20	10.20	10.20	10.20	10.00	10.20	20.40
L-Tyrosine		36.20	36.20	36.20	36.20	36.20	36.20	36.20		36.20	72.40
L-Tyrosine•2Na									51.90		
L-Tyrosine•2Na•2H <sub>2</sub> O	47.00										
L-Valine	46.00	46.80	46.80	46.80	46.80	46.80	46.80	46.80	46.00	46.80	93.60
Vitamins											
Ascorbic Acid							50.00				
d-Biotin							0.10				
D-Ca Pantothenate	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00
Choline Chloride	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00
Folic Acid	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00
i-Inositol	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	4.00
Nicotinamide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00
Pyridoxal•HCl	1.00							1.00	1.00	1.00	2.00
Pyridoxine•HCl		1.00	1.00	1.00	1.00	1.00	1.00				
Riboflavin	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20
Thiamine•HCl	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00
Vitamin B <sub>12</sub>							1.33				

## BioWhittaker™クラシック培地の組成

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## 最少必須培地 (MEM)

カタログ番号	12-684 Liquid 10X mg/L	12-739 Liquid mg/L	BE02-002 Liquid mg/L
Component			
Inorganic Salts			
CaCl <sub>2</sub> ·2H <sub>2</sub> O	2,650.00	264.92	265.00
Fe(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O		0.10	
KCl	4,000.00	400.00	400.00
MgSO <sub>4</sub> (anhyd.)		97.67	
MgSO <sub>4</sub> ·7H <sub>2</sub> O	2000.00		200.00
NaCl	68,000.00	6,400.00	6,800.00
NaHCO <sub>3</sub>		2,750.00	2,200.00
NaH <sub>2</sub> PO <sub>4</sub> (anhyd.)		107.83	
NaH <sub>2</sub> PO <sub>4</sub> ·H <sub>2</sub> O	1400.00	124.00	140.00
Other Components			
Glucose	10,000.00	4,500.00	1,000.00
HEPES			
Lipoic Acid			0.20
Phenol Red·Na	100.00	15.30	10.00
Sodium Pyruvate			110.00
Amino Acids			
L-Alanine			25.00
L-Arginine·HCl	1,264.00	42.00	126.40
L-Asparagine·H <sub>2</sub> O			50.00
L-Aspartic Acid			30.00
Cysteine·HCl·H <sub>2</sub> O			100.00
L-Cystine·2HCl		31.00	
L-Cystine	240.00		24.00
L-Glutamic Acid			75.00
L-Glutamine		292.00	
L-Alanyl-L-Glutamine (UltraGlutamine 1)			434.00
Glycine			50.00
L-Histidine·HCl·H <sub>2</sub> O	420.00	21.00	42.00
L-Isoleucine	524.00	52.40	52.40
L-Leucine	524.00	52.40	52.40
L-Lysine·HCl	730.00	73.10	73.00
L-Methionine	150.00	15.00	15.00
L-Phenylalanine	330.00	33.00	32.00
L-Proline			40.00
L-Serine			25.00
L-Threonine	476.00	47.60	47.60
L-Tryptophan	102.00	8.00	10.20
L-Tyrosine	362.00		36.20
L-Tyrosine·2Na·2H <sub>2</sub> O		52.90	
L-Valine	468.00	46.80	46.80

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カタログ番号	12-684 Liquid 10X mg/L	12-739 Liquid mg/L	BE02-002 Liquid mg/L
Component			
Vitamins			
Ascorbic Acid			50.00
d-Biotin			0.10
D-Ca Pantothenate	10.00	2.00	1.00
Choline Chloride	10.00	2.00	1.00
Folic Acid	10.00	2.00	1.00
i-Inositol	20.00	3.60	2.00
Nicotinamide	10.00	2.00	1.00
Pyridoxine·HCl	10.00	2.00	1.00
Riboflavin	1.00	0.20	0.10
Thiamine·HCl	10.00	2.00	1.00
Vitamin B <sub>12</sub>			1.33
Ribonucleosides			
Adenosine			10.00
Cytidine			10.00
Guanosine			10.00
Uridine			10.00
Thymidine			10.00
Deoxyribonucleosides			
2' Deoxyadenosine			10.00
2' Deoxycytidone HCl			11.00
2' Deoxyguanosine			10.00
2' Deoxythymidine			10.00

培地, 試薬, 自給