

Component of Media

		Anderson Salt Medium	Banana AGS Medium	BDS Medium	Cape Sundew / Venus Flytrap Callus Medium	Cap Sundew / Venus Flytrap Transplant Medium	Carrot Callus Initial Medium	Carrot Shooting Medium	Chee & Pool C2d Vitis Medium	Chu 13 Medium	Chu N6 Medium	Chu N6 Medium	DCF Salt Medium	DKW Medium	DKW Medium	DKW Modified Medium
Component (mg/L)		A4279	B4156	B4303	C4218	C4228	C4224	C4234	C4299	C4301	C4428	C4179	D4158	D4202	D4203	D4201
Ammonium Nitrate	NH ₄ NO ₃	400	1650	320.16	400	825			1650				400	1416	1416	1416
Ammonium Phosphate	NH ₄ H ₂ PO ₄			230												
Ammonium Sulfate	(NH ₄) ₂ SO ₄			134			134	134			463	463				
Calcium Chloride	CaCl ₂	332.2	333	111	332.2	166.5	113.24	113.24		80.87	125.33	125.33	64.14	112.5	112.5	112.5
Calcium Nitrate	(CaNO ₃) ₂ ·4H ₂ O								492.3				386.31	1367	1367	1367
Citric Acid	C ₆ H ₈ O ₇								100							
Magnesium Sulfate	MgSO ₄	180.7	181	120	180.7	90.5	122.09	122.09	180.6	97.77	90.37	90.37	180.7	361.49	361.49	361.49
Potassium Nitrate	KNO ₃	480	1900	2530	480	950	2500	2500	1900	371	2830	2830	340			
Potassium Phosphate	KH ₂ PO ₄		170			85			170		400	400	170	265	265	265
Potassium Phosphate	K ₂ HPO ₄								80							
Potassium Sulfate	K ₂ SO ₄													1559	1559	1559
Sodium Phosphate	NaH ₂ PO ₄ ·H ₂ O	330.6	295	172	380		150	150								
Boric Acid	H ₃ BO ₃	6.2	6.2	3	6.2	3.1	3	3	6.2	2.86	1.6	1.6	6.2	4.8	4.8	4.8
Cobalt Chloride	CoCl ₂ ·6H ₂ O	0.025	0.025	0.025	0.025	0.0125	0.025	0.025	0.025	0.05			0.025			
Cupric Sulfate	CuSO ₄ ·5H ₂ O	0.025	0.025	0.039	0.025	0.0125	0.025	0.025	0.025	0.08			0.25	0.25	0.25	0.25
Ferric Citrate	C ₆ H ₅ O ₇ Fe								20							
Ferric Sodium EDTA	C ₁₀ H ₁₂ FeN ₂ NaO ₈ ·3H ₂ O	84.22	42.11	42.11	84.22	21.06	42.11	42.11	42.11		42.11	42.11	42.11	51.25	51.25	51.25
Manganese Chloride	MnCl ₂ ·4H ₂ O								1.81							
Manganese Sulfate	MnSO ₄ ·H ₂ O	16.9	16.9	13.2	16.9	8.45	10	10	0.845		3.3	3.3	22.3	33.5	33.5	33.5
Molybdic Acid	Na ₂ MoO ₄ ·2H ₂ O	0.25	0.25	0.25	0.25	0.125	0.25	0.25	0.25	0.39			0.25	0.39	0.39	0.39
Nickel Chloride	NiCl ₂ ·6H ₂ O												0.025			
Nickel Sulfate	NiSO ₄ ·6H ₂ O													0.005	0.005	0.005
Potassium Iodide	KI	0.3	0.83	0.75		0.415	0.75	0.75			0.8	0.8	0.83			
Zinc Nitrate	Zn(NO ₃) ₂ ·6H ₂ O													17	17	17
Zinc Sulfate	ZnSO ₄ ·7H ₂ O	8.6	8.6	2	8.6	4.3	2	2	8.6	0.22	1.5	1.5	8.6			
Glycine	C ₂ H ₅ NO ₂											2				
myo-Inositol	C ₆ H ₁₂ O ₆		100	100	100	50	100	100	10							
Nicotinic Acid	C ₆ H ₅ NO ₂			1			1	1	1			0.5				
Pyridoxine	C ₈ H ₁₁ NO ₃ ·HCl			1			1	1	1			0.5				
Thiamine	C ₁₂ H ₁₇ ClN ₄ OS·HCl		0.4	10	0.4	0.2	10	10	1			1				
Adenine Hemisulfate	(C ₅ H ₅ N ₅) ₂ SO ₄ ·2H ₂ O				80											
2,4-D	C ₈ H ₆ Cl ₂ O ₃						1									
2iP	C ₁₀ H ₁₃ N ₅		10		1											
IAA	C ₁₀ H ₉ NO ₂		1													
Kinetin	C ₁₀ H ₉ N ₅ O							0.2								
Sucrose	C ₁₂ H ₂₂ O ₁₁														10,000	30,000
Grams to make 1L		1.84	4.72	3.79	2.07	2.2	3.19	3.19	4.46	0.76	3.96	3.96	1.62	5.19	15.19	35.19

Component of Media

Component (mg/L)		Gamborg B5 Salt Medium	Gamborg B5 Medium	Gamborg B5 Modified Medium	Gresshoff & Doy Medium	Heller Salt Medium	Heller / White Salt Medium	Hoagland Salt Medium	Hosta Initial / Callus Medium	Kao & Michayluk Salt Medium	Kao & Michayluk Medium	Linsmaier & Skoog Medium	Linsmaier & Skoog Modified Medium
		G4780	G4410	G4520	G4383	H4405	H4408	H4365	H4447	K4425	K4439	L4701	L4479
Ammonium Nitrate	NH ₄ NO ₃				1000				1650	600	600	1650	1650
Ammonium Phosphate	NH ₄ H ₂ PO ₄			150				115.03					
Ammonium Sulfate	(NH ₄) ₂ SO ₄	134	134	134									
Calcium Chloride	CaCl ₂	113.24	113.24	113.24		56.7			332.2	453	453	332.2	332.2
Calcium Nitrate	Ca(NO ₃) ₂ ·4H ₂ O				241.2		300	656.4					
Magnesium Sulfate	MgSO ₄	122.09	122.09	122	17.1	122.1	351.63	240.76	180.7	146.55	146.55	180.7	180.7
Potassium Chloride	KCl			300	65	750	65			300	300		
Potassium Nitrate	KNO ₃	2500	2500	2500	1000		80	606.6	1900	1900	1900	1900	1900
Potassium Phosphate	KH ₂ PO ₄				300				300	170	170	170	170
Sodium Sulfate	Na ₂ SO ₄						200						
Sodium Nitrate	NaNO ₃					600							
Sodium Phosphate	NaH ₂ PO ₄	150	150	150		108.75	16.5		170				
Aluminium Chloride	AlCl ₃ ·6H ₂ O					0.054	0.03						
Boric Acid	H ₃ BO ₃	3	3	3	0.3	1	1.24	2.86	6.2	3	3	6.2	6.2
Cobalt Chloride	CoCl ₂ ·6H ₂ O	0.025	0.025	0.025	0.025				0.025	0.025	0.025	0.025	0.025
Cupric Sulfate	CuSO ₄ ·5H ₂ O	0.025	0.025	0.025	0.025	0.03	0.03	0.08	0.025	0.025	0.025	0.025	0.025
Ferric Chloride	FeCl ₃ ·6H ₂ O					1							
Ferric Sodium EDTA	C ₁₀ H ₁₂ FeN ₂ NaO ₈ ·3H ₂ O	42.11	42.11	42.11	42.11			3.79	42.11	42.11	42.11	42.11	42.11
Ferrous Sulfate	FeSO ₄ ·7H ₂ O						25						
Manganese Chloride	MnCl ₂ ·4H ₂ O							1.81					
Manganese Sulfate	MnSO ₄ ·H ₂ O	10	10	10	1	0.076	0.01		16.9	10	10	16.9	16.9
Molybdenum Trioxide	MoO ₃					0.03	0.03	0.016					
Molybdic Acid	Na ₂ MoO ₄ ·2H ₂ O	0.25	0.25	0.25	0.025				0.25	0.25	0.25	0.25	0.25
Potassium Iodide	KI	0.75	0.75	0.75	0.8	0.01	0.01		0.83	0.75	0.75	0.83	0.83
Zinc Sulfate	ZnSO ₄ ·7H ₂ O	2	2	2	0.3	1	1	0.22	8.6	2	2	8.6	8.6
D-Biotin	C ₁₀ H ₁₆ N ₂ O ₃ S				0.2						0.01		
Glycine	C ₂ H ₃ NO ₂				4				2				
myo-Inositol	C ₆ H ₁₂ O ₆		100	100	10				100		100	100	100
Nicotinic Acid	C ₆ H ₅ NO ₂		1	1	0.1								
Pyridoxine	C ₈ H ₁₁ NO ₃ ·HCl		1	1	0.1						1		
Thiamine	C ₁₂ H ₁₇ ClN ₄ O ₅ ·HCl		10	10	1				0.4		1	0.4	0.4
6-BAP	C ₁₂ H ₁₁ N ₅								2				
Adenine Hemisulfate	(C ₅ H ₆ N ₃) ₂ SO ₄ ·2H ₂ O								160				
NAA	C ₁₂ H ₁₀ O ₂			1					0.5				
Kinetin	C ₁₀ H ₉ N ₅ O			0.1									
Casein (Enzymatic Hydrolysate)									500				
Sucrose	C ₁₂ H ₂₂ O ₁₁								30,000				30,000
Agar									8000				7000
Grams to make 1L		3.08	3.19	3.64	2.68	1.64	1.04	1.63	43.37	3.63	*3.88	4.41	41.41

*See the page 112.

Component of Media

		Murashige Lily Callus Medium	Banana Musa Callus Medium	M & S Potato Medium	Nitsch Salt Medium	Nitsch Medium	NLN Salt Mixture	NLN Medium	Parker Thompson Fern Salt Medium	Quoirin & Lepoivre Salt Medium	Rose Initial Medium
Component (mg/L)		M4525	M4474	M4528	N4625	N4628	N4492	N4491	P4725	Q4685	R4768
Ammonium Nitrate	NH_4NO_3	1650	1650	1650	720	720			125	400	1650
Calcium Chloride	CaCl_2	333	332.2	333	166	166			19.63		333
Calcium Nitrate	$\text{Ca}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$						347	347		833.77	
Citric Acid	$\text{C}_6\text{H}_8\text{O}_7$										50
Magnesium Sulfate	MgSO_4	181	180.74	181	90.37	90.37	61	61	58.57	175.79	181
Potassium Nitrate	KNO_3	1900	1900	1900	950	950	125	125		1800	1900
Potassium Phosphate	KH_2PO_4	170	170	170	68	68	125	125	500	270	170
Ammonium Molybdate	$(\text{NH}_4)_6\text{Mo}_7\text{O}_{24} \cdot 4\text{H}_2\text{O}$								0.037		
Boric Acid	H_3BO_3	6.2	6.2	6.2	10	10	10	10	1.86	6.2	6.2
Cobalt Chloride	$\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$	0.025	0.025	0.025			0.025	0.025		0.025	0.025
Cupric Sulfate	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.37	0.025	0.025
Ferric Sodium EDTA	$\text{C}_{10}\text{H}_{12}\text{FeN}_2\text{NaO}_8 \cdot 3\text{H}_2\text{O}$	42.11	42.11	42.11	42.11	42.11	42.11	42.11	42.11	42.11	42.11
Manganese Sulfate	$\text{MnSO}_4 \cdot \text{H}_2\text{O}$	16.9	16.9	16.9	18.9	18.9	18.95	18.95	0.25	0.76	16.9
Molybdic Acid	$\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$	0.25	0.25	0.25	0.25	0.25	0.25	0.25		0.25	0.25
Potassium Iodide	KI	0.83	0.83	0.83						0.08	0.83
Zinc Sulfate	$\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$	8.6	8.6	8.6	10	10	10	10	0.52	8.6	8.6
L-Ascorbic Acid	$\text{C}_6\text{H}_8\text{O}_6$		20								50
D-Biotin	$\text{C}_{10}\text{H}_{16}\text{N}_2\text{O}_3\text{S}$					0.05		0.05			
Folic Acid	$\text{C}_{19}\text{H}_{19}\text{N}_7\text{O}_6$					0.5		0.5			
Glycine	$\text{C}_2\text{H}_5\text{NO}_2$		2	2		2		2			2
myo-Inositol	$\text{C}_6\text{H}_{12}\text{O}_6$	100		100		100		100			100
Nicotinic Acid	$\text{C}_6\text{H}_5\text{NO}_2$		0.5	0.5		5		5			0.5
Pyridoxine	$\text{C}_8\text{H}_{11}\text{NO}_3 \cdot \text{HCl}$		0.5	0.5		0.5		0.5			0.5
Thiamine	$\text{C}_{12}\text{H}_{17}\text{CN}_4\text{OS} \cdot \text{HCl}$	0.4	0.4	0.4		0.5		0.5			0.4
6-BAP	$\text{C}_{12}\text{H}_{11}\text{N}_5$		4.5								2
Kinetin	$\text{C}_{10}\text{H}_9\text{N}_5\text{O}$			0.04							
IAA	$\text{C}_{10}\text{H}_8\text{NO}_2$		0.175								0.3
NAA	$\text{C}_{12}\text{H}_{10}\text{O}_2$	0.03									
L-Glutamine	$\text{C}_5\text{H}_{10}\text{N}_2\text{O}_3$						800	800			
Glutathione	$\text{C}_{10}\text{H}_{17}\text{N}_3\text{O}_6\text{S}$						30	30			
L-Serine	$\text{C}_3\text{H}_7\text{NO}_3$						100	100			
Sucrose	$\text{C}_{12}\text{H}_{22}\text{O}_{11}$		30,000								
Gellan Gum			2000								
Grams to make 1L		4.41	36.34	4.41	2.08	2.18	1.67	1.78	0.75	3.54	4.51

Component of Media

		Rose Callus Medium	Rose Rooting Medium	Schenk & Hildebrandt Medium	Schenk & Hildebrandt Salt lum	Schenk & Hildebrandt Modified Medium	Schenk & Hildebrandt Modified Medium	Schenk & Hildebrandt Modified Medium	Tobacco Callus Initial Medium	Tobacco Rooting Medium	Tobacco Shooting & Rooting Medium	Tobacco Shoot Callus Medium	Westvaco MV3 Medium	Westvaco MV5 Medium	White Salt Medium
Component (mg/L)		R4769	R4770	S4821	S4828	S4823	S4820	S4825	T4868	T4873	T4879	T4876	W4875	W4877	W4910
Ammonium Nitrate	NH_4NO_3	1650	412.5						1650	1650	1650	1650		700	
Ammonium Phosphate	$\text{NH}_4\text{H}_2\text{PO}_4$			300	300	300	150	300							
Calcium Chloride	CaCl_2	333	83.25	151	151	151	75.5	151	333	333	333	333	452.88	452.88	
Calcium Nitrate	$\text{Ca}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$														208.5
Citric Acid	$\text{C}_6\text{H}_8\text{O}_7$	50													
Magnesium Sulfate	MgSO_4	181	45.25	195.4	195.4	195.4	97.7	195.4	181	181	181	181	903.79	903.79	351.62
Potassium Chloride	KCl												656.79	718.67	65
Potassium Nitrate	KNO_3	1900	475	2500	2500	2500	1250	2500	1900	1900	1900	1900	910.06	1084.06	80
Potassium Phosphate	KH_2PO_4	170	42.5						170	170	170	170	270	270	
Sodium Phosphate	$\text{NaH}_2\text{PO}_4 \cdot \text{H}_2\text{O}$														16.5
Sodium Sulfate	Na_2SO_4														200
Boric Acid	H_3BO_3	6.2	1.55	5	5	5	2.5	5	6.2	6.2	6.2	6.2	31	31	1.5
Cobalt Chloride	$\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$	0.025	0.006	0.1	0.1	0.1	0.05	0.1	0.025	0.025	0.025	0.025	0.025	0.025	
Cupric Sulfate	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$	0.025	0.006	0.2	0.2	0.2	0.1	0.2	0.025	0.025	0.025	0.025	0.25	0.25	0.001
Ferric Sodium EDTA	$\text{C}_{10}\text{H}_{12}\text{FeN}_2\text{NaO}_8 \cdot 3\text{H}_2\text{O}$	42.11	10.53	22.72	22.68	22.68	11.34	22.68	42.11	42.11	42.11	42.11	42.11	42.11	
Ferrous Sulfate	$\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$														2.5
Manganese Sulfate	$\text{MnSO}_4 \cdot \text{H}_2\text{O}$	16.9	4.725	10	10	10	5	10	16.9	16.9	16.9	16.9	15.16	15.16	5.31
Molybdeum Trioxide	MoO_3														0.0001
Molybdic Acid	$\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$	0.25	0.063	0.1	0.1	0.1	0.05	0.1	0.25	0.25	0.25	0.25	0.25	0.25	
Potassium Iodide	KI	0.83	0.208	1	1	1	0.5	1	0.83	0.83	0.83	0.83	0.83	0.83	0.75
Zinc Sulfate	$\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$	8.6	2.15	1	1	1	0.5	1	8.6	8.6	8.6	8.6	8.6	8.6	3
L-Ascorbic Acid	$\text{C}_6\text{H}_8\text{O}_6$	50													
Glycine	$\text{C}_2\text{H}_5\text{NO}_2$	2	2						2	2	2	2			
myo-Inositol	$\text{C}_6\text{H}_{12}\text{O}_6$	100	100	1000			500	1000	100	100	100	100	1000	1000	
Nicotinic Acid	$\text{C}_6\text{H}_5\text{NO}_2$	0.5	0.5	5			2.5	5	0.5	0.5	0.5	0.5			
Pyridoxine	$\text{C}_8\text{H}_{11}\text{NO}_3 \cdot \text{HCl}$	0.5	0.5	0.5			0.25	0.5	0.5	0.5	0.5	0.5			
Thiamine	$\text{C}_{12}\text{H}_{17}\text{ClN}_4\text{OS} \cdot \text{HCl}$	0.4	0.4	5			2.5	5	0.4	0.4	0.4	0.4	0.4	0.4	
6-BAP	$\text{C}_{12}\text{H}_{11}\text{N}_5$	3													
IAA	$\text{C}_{10}\text{H}_9\text{NO}_2$	0.3							2	3	0.03				
Kinetin	$\text{C}_{10}\text{H}_9\text{N}_5\text{O}$								0.2		1	1			
NAA	$\text{C}_{12}\text{H}_{10}\text{O}_2$		0.03												
Casein (Enzymatic Hydrolysate)									1000	1000	1000	1000			
Sucrose	$\text{C}_{12}\text{H}_{22}\text{O}_{11}$					10,000	10,000	10,000							
Grams to make 1L		4.52	1.18	4.20	3.19	13.19	12.10	14.20	5.41	5.42	5.41	5.41	4.29	5.23	0.93

Component of Orchid Media

Component (mg/L)	B4150	B4153	B4154	I4377	K4412	K4437	L4484	M4563	M4519	P4680	P4670
Ammonium Nitrate				82	500	500			1650	825	825
Ammonium Sulfate				303.9	500	500	1000				
Calcium Chloride									333	166	166
Calcium Nitrate				637.6	347.2	347.2	347.2				
Calcium Phosphate								75			
Citric acid									150		
Magnesium Nitrate				256.4							
Magnesium Sulfate	100	100	100		122.13	122.13	58.62	97.69	181	90.35	90.35
Potassium Chloride					250	250	1050				
Potassium Nitrate				424					1900	950	950
Potassium Phosphate	300	300	300	462.7	250	250	135	75	170	85	85
Aluminium Chloride							0.056				
Boric Acid	10	10	10	3.1			1.014		6.2	3.1	3.1
Cobalt chloride	0.025	0.025	0.025	0.0125					0.025	0.0125	0.0125
Cupric Sulfate	0.025	0.025	0.025	0.0125			0.019		0.025	0.0125	0.0125
Ferric Citrate							4.4				
Ferric Sodium EDTA	42.11	42.11	42.11	42.11	37.8	37.8		42.11	42.11	42.11	42.11
Manganese Sulfate	25	25	25	11.2	5.68	5.68	0.052	1.54	16.9	8.45	8.45
Molybdic Acid	0.25	0.25	0.25	0.125					0.25	0.125	0.125
Nickel Chloride							0.031				
Potassium Iodide				0.415			0.099		0.83	0.415	0.415
Zinc Sulfate	10	10	10	4.3			0.565		8.6	5.3	5.3
D-Biotin	0.05	0.05	0.05					0.05			
Folic Acid	0.5	0.5	0.5					0.5			
Glycine	2	2	2	2			2	2	2		
myo-Inositol	100	100	100	100			100	100	100	100	100
Nicotinic Acid	5	5	5	0.5			1	5	0.5	1	1
Pyridoxine	0.5	0.5	0.5	0.5			1	5	0.5	1	1
Thiamine	0.5	0.5	0.5	0.1			10	10	10	10	10
6-BAP			0.2								
IAA									0.3		
IBA									1.75		
MES										1000	1000
NAA									1.75		
Casein (Enzymatic Hydrolysate)	500	500	500					400			
Charcoal							2000	1000		2000	2000
L-Glutamine	100	100	100								
Peptone (Meat)										2000	2000
Banana Powder						30,000					
Pineapple Powder								20,000			
Sucrose	20,000	20,000	20,000	20,000	20,000	20,000	20,000		20,000	20,000	20,000
Agar		5000	6000			7000		7000			8000
Gellan Gum				3000							
Grams to make 1L	21.20	26.20	27.20	25.33	22.0	61.0	22.71	28.81	24.58	27.29	35.29

Component of Orchid Media

Component (mg/L)		Orchid Growth / Replate Medium	Orchid Growth / Replate Medium	Orchid Growth / Replate Medium	Orchid Callus Medium	Orchid Callus Medium	Orchid Seed Germination Medium	Orchid Terrestrial Medium	Orchid Terrestrial Medium	Orchid Terrestrial Medium	Orchid Vacin & Went Medium
		O4151	O4168	P4760	P4805	O4765	P4735	T4851	T4854	T4861	V4892
Ammonium Nitrate	NH ₄ NO ₃	825	825	825	825	825	412.5			1400	
Ammonium Sulfate	(NH ₄) ₂ SO ₄										500
Calcium Chloride	CaCl ₂	166	166	166	166	166	83				
Calcium Nitrate	Ca(NO ₃) ₂ ·4H ₂ O							400	600	400	
Calcium Phosphate	Ca ₃ (PO ₄) ₂										200
Magnesium Sulfate	MgSO ₄	90.35	90.35	90.35	90.35	90.35	75.18	97.69	97.69	97.69	122.1
Potassium Chloride	KCl							100	100	100	
Potassium Nitrate	KNO ₃	950	950	950	950	950	475	200	200	200	525
Potassium Phosphate	KH ₂ PO ₄	85	85	85	85	85	42.5	200	200	200	250
Ammonium Citrate	(NH ₄) ₂ HC ₆ H ₅ O ₇							19	19	19	
Boric Acid	H ₃ BO ₃	3.1	3.1	3.1	3.1	3.1	1.65	0.5	0.5	0.5	
Cobalt Chloride	CoCl ₂ ·6H ₂ O	0.0125	0.0125	0.0125	0.0125	0.0125	0.0063				
Cupric Sulfate	CuSO ₄ ·5H ₂ O	0.0125	0.0125	0.0125	0.0125	0.0125	0.0063	0.025	0.025	0.025	
Ferric Ammonium Citrate	C ₆ H ₈ O ₇ ·Fe(NH ₃) _x							25	25	25	
Ferric Tartrate	Fe ₂ (C ₄ H ₄ O ₆) ₃										23.13
Ferric SodiumEDTA	C ₁₀ H ₁₂ FeN ₂ NaO ₈ ·3H ₂ O	42.11	42.11	42.11	42.11	42.11	21.05				
Manganese Sulfate	MnSO ₄ ·H ₂ O	8.45	8.45	8.45	8.45	8.45	4.23	1.54	1.54	1.54	5.68
Molybdic Acid	Na ₂ MoO ₄ ·2H ₂ O	0.125	0.125	0.125	0.125	0.125	0.063	0.02	0.02	0.02	
Potassium Iodide	KI	0.415	0.415	0.415	0.415	0.415	0.208	0.1	0.1	0.1	
Zinc Sulfate	ZnSO ₄ ·7H ₂ O	5.3	5.3	5.3	5.3	5.3	2.65	0.5	0.5	0.5	
myo-Inositol	C ₆ H ₁₂ O ₆	100	100	100	100	100	100				
Nicotinic Acid	C ₆ H ₅ NO ₂	1	1	1	0.5	0.5	1				
Pyridoxine	C ₈ H ₁₁ NO ₃ ·HCl	1	1	1	0.5	0.5	1				
Thiamine	C ₁₂ H ₁₇ ClN ₄ OS·HCl	10	10	10	1	1	10				
6-BAP	C ₁₂ H ₁₁ N ₅				2	2					
MES	C ₆ H ₁₃ NO ₄ S	1000	1000	1000	1000	1000	500				
NAA	C ₁₂ H ₁₀ O ₂				0.5	0.5					
Charcoal	C		2000	2000			1000				
Casein (Enzymatic Hydrolysate)								400	200		
Peptone (Meat)		2000	2000	2000	2000	2000	2000				
Banana Powder			30,000	30,000							
D-Glucose	C ₆ H ₁₂ O ₆							20,000	20,000	20,000	
Sucrose	C ₁₂ H ₂₂ O ₁₁	20,000	20,000	20,000	20,000	20,000	20,000				
Agar				7000		7000	8000	6000	6000	6000	
Grams to make 1L		25.29	57.29	64.29	25.28	32.28	32.73	27.44	27.44	28.44	1.63

Component of Vitamins

Component (mg/L)		Chu N6 Vitamin Solution 1000X	Erikson Vitamin Solution 1000X	Gamborg Vitamin Powder 1000X	Kao & Michayluk Vitamin Solution 100X	M & S Vitamin Powder 1000X	Nitsch Vitamin Powder 1000X	Schenk & Hildebrandt Vitamin Powder 100X
		C4161	E4342	G4261	K4433	M4545	N4620	S4838
p-Aminbenzoic Acid	$C_7H_7NO_2$				2			
L-Ascorbic Acid	$C_6H_8O_6$				200			
D-Biotin	$C_{10}H_{16}N_2O_3S$				1		50	
Calcium Pantothenate	$C_{16}H_{32}O_{10}N_2Ca$				100			
Choline Chloride	$C_5H_{14}ClNO$				100			
Folic Acid	$C_{19}H_{19}N_7O_6$				40		500	
Glycine	$C_2H_5NO_2$	2000	2000			2000	2000	
myo-Inositol	$C_6H_{12}O_6$			100,000	10,000	100,000	100,000	100,000
Nicotinamide	$C_6H_6NO_2$				100			
Nicotinic Acid	$C_6H_5NO_2$	500	500	1000		500	5000	500
Pyridoxine	$C_8H_{11}NO_3 \cdot HCl$	500	500	1000	100	500	500	50
Riboflavin	$C_{17}H_{20}N_4O_6$				2			
Thiamine	$C_{12}H_{17}ClN_4OS \cdot HCl$	1000	500	10,000	100	100	500	500
Vitamin A	$C_{20}H_{30}O$				1			
Vitamin B ₁₂	$C_{63}H_{88}CoN_{14}O_{14}P$				2			
		1 ml/L	1 ml/L	11.2g / 100ml	10 ml/L	10.31g/ 100ml	10.86g/ 100ml	10.11g/ 100ml

