

Product Information

PLANT CELL CULTURE BASAL SALT MIXTURES AND MEDIA (mg/L)

Shaded columns are deleted products

COMPONENT	D6162	D8785	E7635	G5768	G5893	G7271	H1766	H2395	K0878	M5524
Aluminum Chloride\$6H ₂ O							0.0543			
Ammonium Nitrate	1416.0	1416.0	1200.0			1000.0			600.0	1650.0
Ammonium Phosphate								115.03		
Ammonium Sulfate				134.0	134.0					
Boric Acid	4.8	4.8	0.63	3.0	3.0	0.3	1.0	2.86	3.0	6.2
Calcium Chloride	112.5	112.5	332.2	113.24	113.24		56.7		453.0	332.2
Calcium Nitrate	1367.0	1367.0				241.2		656.4		
Calcium Phosphate Tribasic										
Cobalt Chloride\$6H ₂ O			0.0025	0.025	0.025	0.025			0.025	0.025
Cupric Sulfate\$5H ₂ O	0.25	0.25	0.0025	0.025	0.025	0.025	0.03	0.08	0.025	0.025
Na ₂ -EDTA	45.4	45.4	37.3	37.3	37.25	37.25			37.25	37.26
ZnNa ₂ -EDTA			15.0							
Ferric Chloride\$6H ₂ O							1.0			
Ferric Citrate										
Ferric Sulfate										
Ferric Tartrate\$2H ₂ O								5.32		
Ferrous Sulfate\$7H ₂ O	33.8	33.8	27.8	27.8	27.85	27.85			27.85	27.8
Magnesium Sulfate	361.49	361.49	180.78	122.09	122.09	17.099	122.1	240.76	146.55	180.7
Manganese Chloride\$4H ₂ O								1.81		
Manganese Sulfate\$H ₂ O	33.5	33.5	1.69	10.0	10.0	1.0	0.0758		10.0	16.9
Molybdenum Trioxide								0.016		
Molybdic Acid (Sodium	0.39	0.39	0.025	0.25	0.25	0.025			0.25	0.25
Nickel Chloride\$6H ₂ O							0.03			
Nickel Sulfate\$6H ₂ O	0.005	0.005								
Potassium Chloride						65.0	750.0		300.0	
Potassium Iodide				0.75	0.75	0.8	0.01		0.75	0.83
Potassium Nitrate			1900.0	2500.0	2500.0	1000.0		606.6	1900.0	1900.0
Potassium Phosphate	265.0	265.0	340.0			300.0			170.0	170.0
Potassium Sulfate	1559.0	1559.0								
Sodium Nitrate							600.0			
Sodium Phosphate				130.5	130.5		108.75			
Sodium Sulfate										
Zinc Nitrate\$6H ₂ O	17.0	17.0								
Zinc Sulfate\$7H ₂ O				2.0	2.0	0.3	1.0	0.22	2.0	8.6

Formulas continued on next page

COMPONENT continued	D6162	D8785	E7635	G5768	G5893	G7271	H1766	H2395	K0878	M5524
ORGANICS										
Activated Charcoal										
Adenine Hemisulfate										
Agar										
6-Benzylaminopurine (BA)		1.0								

D-Biotin						0.2				
6 γ - γ -Dimethylallylaminopurine										
Glycine (Free Base)		2.0				4.0				
Indole-3-acetic Acid										
Indole-3-butyric Acid		0.01								
Kinetin										
MES (Free Acid)										
mvo-Inositol		100.0			100.0	10.0				
α -Naphthaleneacetic Acid										
Nicotinic Acid (Free Acid)		1.0			1.0	0.1				
Peptone										
Pvridoxine\$HCl					1.0	0.1				
Sucrose										
Thiamine\$HCl		2.0			10.0	1.0				
Grams of powder to prepare 1 liter	5.2	5.3	4.0	3.1	3.2	2.7	1.6	1.6	3.7	4.3