

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

Product Information

Shaded columns are deleted products

COMPONENT	A2670	A3918	A6045	A6170	C1416	C3555	C3680	C6798	D1039	D1164	M5524
Aluminum Chloride\$6H ₂ O											
Ammonium Nitrate	400.0	100.0	200.0	400.0		1601	800.	1650.		400.0	1650.0
Ammonium Phosphate											
Ammonium Sulfate					463.0				400.0		
Boric Acid	6.2	1.55	3.1	6.2	1.6	6.2	6.2	6.2	10.62	6.2	6.2
Calcium Chloride	332.2	83.0	166.0	332.2	125.3	332.2	332.		226.5	64.14	332.2
Calcium Nitrate								492.3		386.3	
Calcium Phosphate											
Cobalt Chloride\$6H ₂ O	0.025	0.006	0.012	0.025		0.025	0.02	0.025	0.002	0.025	0.025
Cupric Sulfate\$5H ₂ O	0.025	0.006	0.012	0.025		0.025	0.02	0.025	0.002	0.25	0.025
Na ₂ -EDTA	74.5	18.62	37.25	74.5	37.25	37.26	37.2	37.3	37.3	37.3	37.26
ZnNa ₂ -EDTA											
Ferric Chloride\$6H ₂ O											
Ferric Citrate											
Ferric Sulfate											
Ferric Tartrate\$2H ₂ O											
Ferrous Sulfate\$7H ₂ O	55.7	13.92	27.85	55.7	27.85	27.8	27.8	27.8	27.8	27.8	27.8
Magnesium Sulfate	180.7	45.17	90.35	180.7	90.37	180.7	180.	180.6	244.7	180.7	180.7
Manganese											
Manganese Sulfate\$H ₂ O	16.9	4.225	8.45	16.9	3.33	16.9	16.9	0.845	1.68	22.3	16.9
Molybdenum Trioxide											
Molybdic Acid (Sodium	0.25	0.062	0.125	0.25		0.25	0.25	0.25	0.002	0.25	0.25
Nickel Chloride\$6H ₂ O										0.025	
Nickel Sulfate\$6H ₂ O											
Potassium Chloride						2237.			600.0		
Potassium Iodide	0.3	0.075	0.15	0.3	0.8	0.83	0.83		1.583	0.83	0.83
Potassium Nitrate	480.0	120.0	240.0	480.0	2830.	2022.	1900	1900.	2000.	340.0	1900.0
Potassium Phosphate					400.0	170.0	170.	170.0		170.0	170.0
Potassium Sulfate											
Sodium Nitrate											
Sodium Phosphate	330.6	82.5	165.0	330.6					250.0		
Sodium Sulfate											
Zinc Nitrate\$6H ₂ O											
Zinc Sulfate\$7H ₂ O	8.6	2.15	4.3	8.6	1.5	8.6	8.6	8.6	1.06	8.6	8.6
Formulas continued on next page											
COMPONENT continued	A2670	A3918	A6045	A6170	C1416	C3555	C3680	C6798	D1039	D1164	M5524
ORGANICS											
Activated Charcoal		600.0									
Adenine Hemisulfate			80.0	80.0							

Agar		1000	1000	1000							
6-Benzylaminopurine											
D-Biotin											
6γ-γ-			2.0	15.0							
Glycine (Free Base)											
Indole-3-acetic Acid			0.5	4.0							
Indole-3-butyric Acid											
Kinetin											
MES (Free Acid)											
myo-Inositol		100.0	100.0	100.0		90.1	90.1				
α-Naphthaleneacetic Acid											
Nicotinic Acid (Free Acid)						1.231	1.23				
Peptone											
Pyridoxine\$HCl						1.028	1.02				
Sucrose		2250	3000	3000							
Thiamine\$HCl		0.4	0.4	0.4		1.687	1.68				
Grams of powder to	1.9	33.7	41.2	42.1	4.0	6.7	3.6	4.5	3.8	1.6	4.3