

Supplementary material

Supplementary Table 1. Composition of asymbiotic culture media used for germination trial (mg/l unless otherwise specified).

	P723	W3	Malmgren	BM1	½ MS	Pa5 10BA	
Ammonium Nitrate	412.5	Proprietary Formulation			825		
Ammonium Sulfate						250	
Boric Acid	1.65			10	3.1	2.48	
Calcium Chloride, Anhydrous	83				166.1		
Calcium Nitrate•4H ₂ O						1000	
Calcium Phosphate, Tribasic				75			
Cobalt Chloride•6H ₂ O	0.0063				0.025	0.0125	0.0096
Cupric Sulfate•5H ₂ O	0.0063				0.025	0.0125	
Na ₂ EDTA•2H ₂ O	18.65			37.26	37.25	18.63	
FeNa EDTA							38.5
Ferrous Sulfate•7H ₂ O	13.93			27.8	27.85	13.9	
Magnesium Sulfate, Anhydrous	75.18			97.68	100	90.35	
Magnesium Sulfate•7H ₂ O							250
Manganese Sulfate•H ₂ O	4.23			1.54	25	8.45	
Manganese Sulfate•4H ₂ O							4.46
Molybdc Acid (Sodium Salt)•2H ₂ O	0.0625				0.25	0.125	0.1
Potassium Chloride							250
Potassium Iodide	0.2075					0.415	0.332
Potassium Nitrate	475					950	
di-Potassium Phosphate							250
Potassium Phosphate, Monobasic	42.5			75	300	85	
Zinc Sulfate•7H ₂ O	2.65				10	4.3	3.45
Ascorbic acid							1
D-Biotin				0.05	0.05		0.1
Casein, Enzymatic Hydrolysate				400	500		
Citric Acid (Free Acid) Anhydrous							90
Folic Acid				0.5	0.5		
L-Glutamine					100		
Glycine (Free Base)				2	2		
MES (Free Acid)	500						
myo-Inositol	100			100	100		100
Nicotinic Acid (Free Acid)	1			5	5		1
Pantothenic Acid							1
Pineapple Powder (g/l)				20			
Peptone from Meat	2000						
Pyridoxine•HCl	1			5	0.5		1
Thiamine•HCl	10			10	0.5		1
6-Benzylaminopurine (BA)							22.52
Sucrose (g/l)	20				20		20
Activated Charcoal (g/l)	1			1			
Coconut water (ml/l)		50				50	
Banana Pulp (g/l)		50					
Agar (g/l)	8	8	8	8	8	8	