

Product Number	Product Description	Product Notes		Package Size
B141	BM-1 TERRESTRIAL ORCHID MEDIUM	Storage Temp	2-6° C	1 L
	Contains Agar	Soluble In	Water	10 L
	Contains the macro- and micronutrients, vitamins, and plant growth regulators required to culture orchids.			50 L
	Especially suited for terrestrial orchids. Seed germination may be enhanced with the addition of 50 ml/L Coconut Water (Prod. No. C195). Plant Tissue Culture Tested			
B138	BM-1 TERRESTRIAL ORCHID MEDIUM	Storage Temp	2-6° C	1 L
	Same formulation as B141 without Agar	Soluble In	Water	10 L
	Plant Tissue Culture Tested			50 L
B142	BM-2 TERRESTRIAL ORCHID MEDIUM	Storage Temp	2-6° C	1 L
	Contains 0.2 mg/L 6-Benzylaminopurine (BA) and Agar	Soluble In	Water	10 L
	Contains the macro- and micronutrients, vitamins, and plant growth regulators required to culture orchids.			50 L
	Plant Tissue Culture Tested			
I365	ICHIHASHI NEW PHALAENOPSIS (NP) MEDIUM	Storage Temp	2-6° C	1 L
	Contains the components as described by Ichihashi (1992); modified to contain 82.0 mg/L NH ₄ NO ₃ .	Soluble In	Water	10 L
	Plant Tissue Culture Tested			50 L
K400	KNUDSON C ORCHID MEDIUM	Storage Temp	2-6° C	1 L
	Morel Modification	Soluble In	Water	10 L
	With the macro- and micronutrients as described by Knudson (1946).			50 L
	Plant Tissue Culture Tested			
K425	KNUDSON C MODIFIED PLUS ORCHID MEDIUM	Storage Temp	2-6° C	1 L
	Proprietary Formulation	Soluble In	Water	10 L
	A complete orchid replate and seed sowing medium. Contains activated Charcoal, Sucrose, Banana Powder, and a gelling agent.			50 L
	Plant Tissue Culture Tested			
L472	LINDEMANN ORCHID BASAL MEDIUM	Storage Temp	2-6° C	1 L
	Contains Sucrose and Vitamins	Soluble In	Water	10 L
	Contains the macro- and micronutrients, as described by Lindemann et al. (1970).			50 L
	Plant Tissue Culture Tested			
M551	MALMGREN MODIFIED TERRESTRIAL ORCHID MEDIUM	Storage Temp	2-6° C	1 L
	Without Sucrose	Soluble In	Water	10 L
	Contains the macro- and micronutrients, agar, and organic constituents as described by Malmgren (1996).			50 L
	Plant Tissue Culture Tested			
M507	MURASHIGE CATTLEYA ORCHID MULTIPLICATION MEDIUM	Storage Temp	2-6° C	1 L
	Contains the macro- and micronutrients as described by Murashige and Skoog (1962).	Soluble In	Water	10 L
	Plant Tissue Culture Tested			50 L
O139	ORCHID MAINTENANCE/ REPLATE MEDIUM	Storage Temp	2-6° C	1 L
	Without Charcoal and Agar	Soluble In	Water	10 L
	Plant Tissue Culture Tested			50 L
P668	ORCHID MAINTENANCE MEDIUM	Storage Temp	2-6° C	1 L
	Contains Charcoal, Without Agar	Soluble In	Water	10 L
	Plant Tissue Culture Tested			50 L
P658	ORCHID MAINTENANCE MEDIUM	Storage Temp	2-6° C	1 L
	Contains Charcoal and Agar	Soluble In	Water	10 L
	Plant Tissue Culture Tested			50 L
O156	ORCHID MAINTENANCE/ REPLATE MEDIUM	Storage Temp	2-6° C	1 L
	Contains Banana and Charcoal, Without Agar	Soluble In	Water	10 L
	Plant Tissue Culture Tested			50 L
P748	ORCHID MAINTENANCE/ REPLATE MEDIUM	Storage Temp	2-6° C	1 L
	Contains Banana, Charcoal, and Agar	Soluble In	Water	10 L
	Replate Medium I			50 L
	Plant Tissue Culture Tested			

All components expressed in mg/L	BM-1 Terrestrial Orchid Medium w/ Agar	BM-2 Terrestrial Orchid Medium	Ichihashi New Phalaenopsis (NP) Medium	Knudson C Orchid Medium	Knudson C Modified Plus Orchid Medium	Lindemann Orchid Basal Medium	Malingren Mod. Terres. Orchid Medium	Murashige Cattleya Orchid Multi. Medium	Orchid Maintenance/ Replate Medium	Orchid Maintenance Medium	Orchid Maintenance Medium	Orchid Maintenance/ Replate Medium	Orchid Maintenance/ Replate Medium
COMPONENT	B141	B142	I365	K400	K425	L472	M551	M507	O139	P668	P658	O156	P748
Aluminum Chloride•6H ₂ O						0.0561							
Ammonium Nitrate			82.0	500				1650	825	825	825	825	825
Ammonium Sulfate			303.9	500		1000							
Boric Acid	10	10	3.1			1.014		6.2	3.1	3.1	3.1	3.1	3.1
Calcium Chloride, Anhydrous								333	166	166	166	166	166
Calcium Nitrate			637.6	347.2		347.2							
Calcium Phosphate, Tribasic							75						
Cobalt Chloride•6H ₂ O	0.025	0.025	0.0125					0.025	0.0125	0.0125	0.0125	0.0125	0.0125
Cupric Sulfate•5H ₂ O	0.025	0.025	0.0125			0.019		0.025	0.0125	0.0125	0.0125	0.0125	0.0125
Na2 EDTA	37.25	37.25	37.3				37.26		37.3	37.3	37.3	37.3	37.3
Ferric Citrate						4.4							
Ferric Sodium EDTA								36.7					
Ferrous Sulfate•7H ₂ O	27.85	27.85	27.8	25			27.8		27.85	27.85	27.85	27.85	27.85
Magnesium Nitrate			256.4										
Magnesium Sulfate	100	100		122.13		58.62	97.69	181	90.35	90.35	90.35	90.35	90.35
Manganese Sulfate•H ₂ O	25	25	11.2	5.682		0.0515	1.54	16.9	8.45	8.45	8.45	8.45	8.45
Molybdic Acid (Sodium Salt)•2H ₂ O	0.25	0.25	0.125					0.25	0.125	0.125	0.125	0.125	0.125
Nickel Chloride•6H ₂ O						0.0312							
Potassium Chloride				250		1050							
Potassium Iodide			0.415			0.099		0.83	0.415	0.415	0.415	0.415	0.415
Potassium Nitrate			424.0					1900	950	950	950	950	950
Potassium Phosphate, Monobasic	300	300	462.7	250		135	75	170	85	85	85	85	85
Zinc Sulfate•7H ₂ O	10	10	4.3			0.565		8.6	5.3	5.3	5.3	5.3	5.3
Activated Charcoal							1000			2000	2000	2000	2000
Agar	5000	6000					7000				8000		7000
Banana Powder												30,000	30,000
6-Benzylaminopurine (BA)		0.2											
D-Biotin	0.05	0.05					0.05						
Casein, Enzymatic Hydrolysate	500	500					400						
Citric Acid (Free Acid) Anhydrous								150					
Folic Acid	0.5	0.5					0.5						
Gelrite			3000										
L-Glutamine	100	100											
Glycine (Free Base)	2.0	2.0	2.0			2.0	2.0	2.0					
Indole-3-acetic Acid								0.3					
Indole-3-butyric Acid								1.75					
MES (Free Acid)									1000	1000	1000	1000	1000
myo-Inositol	100	100	100.0			100	100	100	100	100	100	100	100
α-Naphthaleneacetic Acid								1.75					
Nicotinic Acid (Free Acid)	5.0	5.0	0.5			1.0	5.0	0.5	1.0	1.0	1.0	1.0	1.0
Pineapple Powder							20,000						
Peptone from Meat									2000	2000	2000	2000	2000
Pyridoxine•HCl	0.5	0.5	0.5			1.0	5.0	0.5	1.0	1.0	1.0	1.0	1.0
Sucrose	20,000	20,000	20,000.0	20,000		20,000		20,000	20,000	20,000	20,000	20,000	20,000
Thiamine•HCl	0.5	0.5	0.1			10	10	10	10	10	10	10	10
Grams of powder to prepare 1 liter	26.22	27.22	25.35	22	79.11	22.71	28.84	24.57	25.31	27.31	35.31	57.31	64.31
pH±0.5 at RT	5.5	5.5	4.5	4.5	4.8	4.5	4.3	3.5	5.5	5.3	5.5	5.0	5.5

Proprietary Formulation