

Tissue Culture Kits

Section Highlights

African Violet
Multiplication Kit
86

Fern
Multiplication Kit
86

Hosta
Multiplication Kit
87

Lily
Multiplication Kit
87

Epiphytic Orchid
Seed Sowing Kit
88

Terrestrial Orchid
Seed Sowing Kit
88

Orchid Stem
Propagation Kit
89

To Place an Order by Phone, Fax, or Internet:
Phone: 1-888-749-8682 (US) or 1-913-341-5343
Fax: 1-888-449-8682 (US) or 1-913-341-5442
Internet: www.phytotechlab.com

TISSUE CULTURE KITS

Prod. No.	Product Description	Pkg. Size	Prod. No.	Product Description	Pkg. Size
A137	AFRICAN VIOLET MULTIPLICATION KIT The purpose of this kit is to demonstrate <i>in vitro</i> vegetative propagation. This kit provides the necessary materials to initiate cultures from the leaf blades and petioles of African violet leaves.	1 ea	F354	FERN MULTIPLICATION KIT The purpose of this kit is to demonstrate <i>in vitro</i> fern shoot multiplication. An established fern culture is provided with the kit so that it may be subcultured to observe the rapid, <i>in vitro</i> production of plants. Cultures can also be generated from runner tips (not included with this kit).	1 ea

The African Violet Multiplication Kit Contains:

Prod. No.	Product Description	1 ea
	Instruction Manual	1
C913-10ea	Culture Container	1
F951-1ea	Forceps, 8"	2
S963-1ea	Scalpel Handle, No. 3	1
S971	Scalpel Blades	2
P959-1ea	pH Strips, 4.0-7.0	1
D940-20ea	Petri Dishes	1
V886	Vinegar (100 mL)	1
S803-100g	Baking Soda	1
P068	Pipet, Plastic Transfer	2
M401-1L	Murashige & Skoog Modified Medium	6
M508-1L	Murashige Modified Fern Multiplication Basal Medium	6
S391-500g	D-Sucrose	1
A296-9g	Agar	12

Approximate shipping weight (1 ea): 12 pounds

Basic Steps:

- A. Surface-sterilize leaves.
- B. Cut leaf blade and petiole into pieces to be cultured.
- C. Place leaf pieces on medium.
- D. Plantlets develop through organogenesis.
- E. Plantlets can be transferred to soil or subcultured.
- F. Plantlets growing in soil can be used to start new cultures.

The Fern Multiplication Kit Contains:

Prod. No.	Product Description	1 ea
	Instruction Manual	1
C913-10ea	Culture Container	1
F951-1ea	Forceps, 8"	2
S963-1ea	Scalpel Handle, No. 3	1
S971	Scalpel Blades	2
P959-1ea	pH Strips, 4.0-7.0	1
D940-20ea	Petri Dishes	1
V886	Vinegar (100 mL)	1
S803-100g	Baking Soda	1
P068	Pipet, Plastic Transfer	2
M401-1L	Murashige & Skoog Modified Medium	4
M508-1L	Murashige Modified Fern Multiplication Basal Medium	4
M555-1L	Murashige & Skoog Modified Multiplication Medium	4
S391-500g	D-Sucrose	1
A296-9g	Agar	12
	Fern Culture (USA orders only)	1

Approximate Shipping weight (1 ea): 12 pounds

TISSUE CULTURE KITS

Prod. No.	Product Description	Pkg. Size	Prod. No.	Product Description	Pkg. Size
H411	HOSTA INITIATION-MULTIPLICATION KIT The purpose of this kit is to demonstrate <i>in vitro</i> vegetative propagation and the effects of the cytokinin BA on shoot multiplication.	1 ea	L577	LILY MULTIPLICATION KIT The purpose of this kit is to demonstrate <i>in vitro</i> vegetative propagation from lily scales. With this kit the effects of the explant origin when taken from bulb can be examined.	1 ea
<u>The Hosta Initiation-Multiplication Kit Contains:</u>			<u>The Lily Multiplication Kit Contains:</u>		
Prod. No.	Product Description	1 ea	Prod. No.	Product Description	1 ea
	Instruction Manual	1		Instruction Manual	1
C913-10ea	Culture Container	1	C913-10ea	Culture Container	1
F951-1ea	Forceps, 8"	2	F951-1ea	Forceps, 8"	2
S963-1ea	Scalpel Handle, No. 3	1	S963-1ea	Scalpel Handle, No. 3	1
S971	Scalpel Blades	2	S971	Scalpel Blades	2
P959-1ea	pH Strips, 4.0-7.0	1	P959-1ea	pH Strips, 4.0-7.0	1
D940-20ea	Petri Dishes	1	D940-20ea	Petri Dishes	1
V886	Vinegar (100 mL)	1	V886	Vinegar (100 mL)	1
S803-100g	Baking Soda	1	S803-100g	Baking Soda	1
P068	Pipet, Plastic Transfer	2	P068	Pipet, Plastic Transfer	2
H435-1L	Hosta Initiation/ Multiplication Medium	4	M401-1L	Murashige & Skoog Modified Medium	4
H436-1L	Hosta Multiplication Medium	4	M555-1L	Murashige & Skoog Modified Multiplication Medium	4
H437-1L	Hosta Rooting Medium	4	M513-1L	Murashige Modified Lily Multiplication Basal Medium	4
	Hosta Culture (USA orders only)	1	S391-500g	D-Sucrose	1
B130-100mL	BA Solution	1	A296-9g	Agar	12
				Lily Bulb (USA orders only)	1
Approximate shipping weight (1 ea): 12 pounds					

TISSUE CULTURE KITS

Prod. No.	Product Description	Pkg. Size	Prod. No.	Product Description	Pkg. Size
O799	ORCHID SEED SOWING KIT, EPIPHYTIC ORCHIDS The purpose of this kit is to allow for the germination of epiphytic orchid seeds (not included with the kit).	1 ea	O788	ORCHID SEED SOWING KIT, TERRESTRIAL ORCHIDS The purpose of this kit is to allow for the germination of terrestrial orchid seeds (not included with the kit).	1 ea
<u>The Epiphytic Orchid Seed Sowing Kit Contains:</u>			<u>The Terrestrial Orchid Seed Sowing Kit Contains:</u>		
Prod. No.	Product Description	Quantity	Prod. No.	Product Description	Quantity
	Instruction Manual	1		Instruction Manual	1
C913-10ea	Culture Container	1	C913-10ea	Culture Container	1
F951-1ea	Forceps, 8"	1	F951-1ea	Forceps, 8"	1
S963-1ea	Scalpel Handle, No. 3	1	S963-1ea	Scalpel Handle, No. 3	1
S971	Scalpel Blades	2	S971	Scalpel Blades	2
S088-1ea	Spatula/ Scoop	1	S088-1ea	Spatula/Scoop	1
P959-1ea	pH Strips, 4.0-7.0	1	P959-1ea	pH Strips, 4.0-7.0	1
D940-20ea	Petri Dishes	1	D940-10ea	Petri Dishes	1
V886	Vinegar (100 mL)	1	V886	Vinegar (100 mL)	1
S803-100g	Baking Soda	1	S803-100g	Baking Soda	1
P068	Pipet, Plastic Transfer	2	P068	Pipet, Plastic Transfer	2
P723-1L	Orchid Seed Sowing Medium	3	K425-1L	Knudson C Modified Plus Orchid Medium	2
P785-1L	PhytoTech Orchid Replate Medium	2	T849-1L	Terrestrial (Cypripedium) Orchid Medium	2
P748-1L	Orchid Maintenance/ Replate Medium	2	T839-1L	Terrestrial (Cypripedium) Orchid Medium	2
K425-1L	Knudson C Modified Plus Orchid Medium	2	B141-1L	BM-1 Terrestrial Orchid Medium	2
V895-1L	Vacin & Went Modified Orchid Medium	3	B142-1L	BM-2 Terrestrial Orchid Medium	2
			M551-1L	Malmgren Modified Terrestrial Orchid Medium	2

TISSUE CULTURE KITS

Prod. No.	Product Description	Pkg. Size	Prod. No.	Product Description	Pkg. Size
O755	<p>ORCHID STEM PROPAGATION KIT</p> <p>This kit is designed to help with the multiplication of shoots from stem cuttings of orchids, particularly Phalaenopsis orchids. A Phalaenopsis orchid in flower is needed for this kit.</p>	1 ea	<i>Items That You Must Supply:</i>		
			<ol style="list-style-type: none"> 1. Three to six hours will be required to prepare (and sterilize) the media. 2. Distilled or deionized water. 3. Large 2-liter flask or beaker (or kitchen pot) for mixing the media. 4. Pressure cooker, microwave, or an autoclave for sterilizing the media. 5. Growth lights: florescent lights or other suitable areas for growing plants. 		
<u>The Orchid Stem Propagation Kit Contains:</u>					
Prod. No.	Product Description	Quantity	<p>Please contact us for additional information about instructional kits for classroom demonstrations.</p>		
	Instruction Manual	1			
C913-10ea	Culture Container	1			
F951-1ea	Forceps, 8"	2			
S963-1ea	Scalpel Handle, No. 3	1			
S971	Scalpel Blades	2			
S088-1ea	Spatula/Scoop	1			
P959-1ea	pH Strips, 4.0-7.0	1			
D940-20ea	Petri Dishes	1			
V886	Vinegar (100 mL)	1			
S803-100g	Baking Soda	1			
P068	Pipet, Plastic Transfer	2			
P748-1L	Orchid Maintenance/ Replate Medium	3			
B141-1L	BM-1 Terrestrial Orchid Medium	3			
B142-1L	BM-2 Terrestrial Orchid Medium	2			
O753-1L	Orchid Multiplication Medium	3			