

MATERIALS FOR PLANT TISSUE CULTURE KIT

Please note: Items that do not need to be returned are grayed out.

PLEASE, SAVE ALL BOXES AND BUBBLE BAGS TO REPACK THE ITEMS.

Description	Quantity	Shipping condition	Return condition	Notes
Violet PURCHASE 1/2 classes	1/class			Keep the plant for other expts.
Screwdrivers	2			Please keep the tags on so they can be found.
File folder supports	4 sets			Please disassemble before returning.
Plastic sheeting/tarp	4		Please fold carefully before returning. Wrap an E-flask in each	
Clamps	16			4/hood.
Culture tubes w/ caps	Sufficient for 1/student			Students can bring their exlants home!
Parafilm	Sufficient for 1/student			To seal the opening between cap and tube.
Racks/box/ plastic wrap bags.	1/24 vials			Please return racks and bags so we can ship out more sets.
Long Forceps	4		To carry the leaf+petiole, remove other instruments from alcohol and to plant the leaf piece.	
Curved Forceps	4			For holding the leaf while you cut it.
Scalpels	4	Please save the wrappers. DANGER! Scalpels are sharp . Be sure to count at the end of each class. Please repack in the wrappers.		
Bleach PURCHASE	1 pt		Use 200 ml per liter for disinfecting.	
Graduated cylinder, 100 ml	1			For measuring out the bleach.
Magnetic mixer + stirring bar	1 each			For stirring the leaves to be sure the soap and bleach clean the surface hairs.
Large beakers	2			Wrap in a bubble bag.
Liquid detergent	1 tube			Use 2-3 drops per liter for disinfecting.
Rubbing alcohol 70% PURCHASE	1 pt/class		For spraying the inside of the hood and sterilizing the instruments	
Misters	4		To spray the inside of the hood with the alcohol. Before returning, please remove the alcohol and rinse w/water.	
20X150 tube	4			To immerse tools in alcohol.
Erlenmeyer flasks	4			To support the instrument soak tube.
Plastic beakers for waste	4			To collect the sterile water rinses.
Large Petri plates	Varies/units	Use for the rinsing and cutting surface. Rinse ONLY and return so they can be UV-sterilized and used again.		
50 ml sterile tubes	1 tray	share w/ all teachers		for dispensing volumes of sterile water for rinsing
Sterile water	1.5 liter per class			Empty all water and return bottles.

Book: Lydiane Kyte, Plants from Test Tubes. **Looseleaf binder:** Overheads of plant, parts, process, hood (in envelope). Teachers manual. Return shipping labels. **Video:** Plant Tissue Culture Methods.

PLEASE RETURN all of these and overheads.