

Lab 1 Microscopes and Microtechnique; Plant Development

Sep 29, 2005

Quantity	Plant Material	Date planted	Days	Directions
6 - 6" pots	Bean	Sep 1, 2005	28	8seed/pot 4pl/pot
4 - 6" pots	Bean	Sep 22, 2005	7	20 seed/pot
8 - 6" pots	Bean	Sep 12, 2005	17	15 seed/pot
	Coleus or geranium	Sep 29, 2005		
	Succulent leaves	Sep 29, 2005		
20 flowers	Tradescantia stamen trichomes	Sep 29, 2005		Enter directions here

Lab 2 The Plant Cell and Xylem Regeneration Experiment, part 1

Oct 4, 2005

Quantity	Plant Material	Date planted	Days	Directions
2	Begonia petiole	Oct 4, 2005		
	Carrots	Oct 3, 2005	1	Purchase from store. 1 bag
17 - 6" pots,	Coleus	Sep 7, 2005	27	6 - 6"pots, 9 cuts/pot
	Elodea stems	Oct 4, 2005		
	Lemna	Oct 4, 2005		
50	Pereskia leaf	Oct 4, 2005		Enter directions here
	Pilea	Oct 4, 2005		
6	Potatoes, small baking	Oct 3, 2005	1	Purchase from store.
3 - 6" pots	Vicia sativa	Sep 4, 2005	30	30 seed/pot
	Zebrina	Oct 4, 2005		

Lab 3 Parenchyma and Collenchyma

Oct 6, 2005

Quantity	Plant Material	Date planted	Days	Directions
3 - 6" pots	Cucurbita	Sep 13, 2005	23	6seed/pot 3pl/pot
	Eichornia petiole	Oct 6, 2005		
	Juncus stem	Oct 6, 2005		
2 - 4" pots	Medicago	Aug 19, 2005	48	8seed/pot
6	Nymphaea petioles	Oct 6, 2005		Enter directions here

6	Pear fruit	Oct 6, 2005
	Petasites petioles	Oct 6, 2005
	Sambucus	Oct 6, 2005
	Sansevieria	Oct 6, 2005
	Smilax root	Oct 6, 2005

Lab 4 Sclerenchyma and Lab Quiz 1

Oct 11, 2005

Quantity	Plant Material	Date planted	Days	Directions
	Begonia leaf	Oct 11, 2005		
	Dianthus leaves	Oct 11, 2005		
	Enseti	Oct 11, 2005		
	Iris leaves	Oct 11, 2005		
A few	Linum usitatissimum stems	Oct 11, 2005		Enter directions here
	Musa	Oct 11, 2005		
	Panadanus	Oct 11, 2005		
	Sanserieria	Oct 11, 2005		

Lab 5 Epidermis and Xylem Regeneration Experiment, part 2

Oct 13, 2005

Quantity	Plant Material	Date planted	Days	Directions
	Agrostis	Oct 13, 2005		
2 - 6" pots	Bean stomata	Sep 18, 2005	25	6 seed/pot 3pl/pot
4 - 6" pots	Corn stomata	Sep 13, 2005	30	8 seed/pot 4pl/pot
4 - 6" pots	Cotton stomata	Sep 8, 2005	35	6seed/pan 3pl/pot
	Ficus leaves	Oct 13, 2005		
2 - 4"pots	Gasoul	Jul 30, 2005	75	30 seed/pot, sand, refrigerator
	Iris leaves	Oct 13, 2005		
2	Nicotiana rustica	Jul 28, 2005	77	Plant seed, 1 - 4" pot
2	Nicotiana rustica	Aug 5, 2005	69	Plant seed, 1 - 4" pot
10	Nicotiana rustica petiole	Aug 14, 2005	60	1 - 4" pot, plant seed
	Pansy	Oct 13, 2005		
	Peperomia leaves	Oct 13, 2005		
	Snapdragon	Oct 13, 2005		

1	Sugar cane	Oct 13, 2005
	Tillandsia(Spanish moss)	Oct 13, 2005
	Verbascum leaves	Oct 13, 2005

Lab 6 Xylem and Xylem Regeneration Experiment, part 3

Oct 18, 2005

Quantity	Plant Material	Date planted	Days	Directions
1 bag	Apium(celery)	Oct 18, 2005		
	Coleus	Oct 18, 2005		

Lab 7 Phloem and Lab Quiz 2

Oct 20, 2005

Quantity	Plant Material	Date planted	Days	Directions
3 - 6"pots	Cucurbita	Sep 25, 2005	25	6seed/pan 3pl/pot
4 - 1 gallon	Grape 'Chardonnay'	Jul 14, 2005	98	Purchase and plant bare root plants.

Lab 8 Root Apical Organization, Primary Growth, and Root Systems

Oct 25, 2005

Quantity	Plant Material	Date planted	Days	Directions
18 - 6" pots	Pea, dark grown	Oct 20, 2005	5	6 - 6" pots 20seed/pot Vermiculite/sand
6 - 4"pots	Wheat	Sep 27, 2005	28	8 seed/pot

Lab 9 Lateral Roots, Specialized Roots and Rootlike Organs

Oct 27, 2005

Quantity	Plant Material	Date planted	Days	Directions
	Alder roots--actinorhizal nodules	Oct 27, 2005		
	Corolloid roots of cycad, Encephalartos	Oct 27, 2005		
	Dandelion roots	Oct 27, 2005		
4 - 4"pots	Dodder	Aug 8, 2005	80	Medicago, 8 seed/pot
	Epidendron ariel roots	Oct 27, 2005		
	Ficus pumila-clinging roots	Oct 27, 2005		
5 - 5" pots	Foeniculum	Sep 22, 2005	35	6 seed/pot, 2pl/pot
	Hedra helix (Ivy)--clinging roots	Oct 27, 2005		
	Iris rhizome	Oct 27, 2005		
	Mistletoe--with attachment to tree	Oct 27, 2005		
	Monstera deliciosa--long roots with	Oct 27, 2005		

	Monstera roots	Oct 27, 2005		
	Remind TA's about petri plates and pea	Oct 27, 2005		
3 - 4"pots	Rhizobium	Sep 17, 2005	40	Bean 3 seed/pot , inoculum
2, 3" pieces	Vanilla orchid root	Oct 27, 2005		
	Zebrina stems	Oct 27, 2005		

Lab 10 Mature Primary Roots, Root Secondary Growth, and Lab Quiz 3

Nov 1, 2005

Quantity	Plant Material	Date planted	Days	Directions
3 - 4"pots	Wheat roots	Oct 4, 2005	28	8 seed/pot

Lab 11 Anomalous Secondary Growth in Roots

Nov 3, 2005

Quantity	Plant Material	Date planted	Days	Directions
2 - 1gal pots	Carrot root	Sep 19, 2005	45	20 seed/pot, 6pl/pot
12 - 4"pots	Coleus	Oct 13, 2005	21	1cut/pot
	Coleus--very young stems	Nov 3, 2005		
	Dracena draco--old roots	Nov 3, 2005		
	Elodea shoot	Nov 3, 2005		
7-8/rm	Epidendron shoots	Nov 3, 2005		
2 - 4" pots	Hesperonide	Sep 14, 2005	50	Find weedlings and transplant.
	Lupinus shoot	Nov 3, 2005		
2	Sugar beet	Nov 3, 2005		
6 - 6" standard	Sugar beet	Oct 14, 2005	20	12 seed/pot, 5pl/pot
2 - 1 gallon	Sugar beet, mature	Jun 1, 2005	155	6 seeds/pot, 1 pl/pot
2	Sweet potato	Nov 1, 2005	2	Sue will get at store.
	Zea mays (corn) shoots	Nov 3, 2005		

Lab 12 Shoot Apex and Primary Growth

Nov 8, 2005

Quantity	Plant Material	Date planted	Days	Directions
	Coleus stem	Nov 8, 2005		
4 - 6"pots	Corn	Oct 14, 2005	25	15 seed/pot 10pl/pot
15-20	Echeveria(Graptopetalum) shoot. Bring	Nov 5, 2005	3	Ask Ernesto to bring some from home.

4 - 6"pots	Lupinus	Oct 31, 2005	8	8seed/pot , cover w/sand 2" deep, cool temps
3 - 4" pots	Pelargonium	Jul 11, 2005	120	3 cuttings
	Pelargonium stem	Nov 8, 2005		

Lab 13 Stem Architecture, Modifications, and Initiation of Secondary Growth

Nov 10, 2005

Quantity	Plant Material	Date planted	Days	Directions
2	Cephalocereus with lateral cephalum	Nov 10, 2005		
2 plants	Duchenia stolons	Nov 10, 2005		Enter directions here
	Epidendron stem	Nov 10, 2005		
2	Melocactus with cephalum	Nov 10, 2005		
	Peperomia obtusifolium stem. Bench 3	Nov 10, 2005		
A few	Psilotum stems and rhizomes	Nov 10, 2005		Enter directions here

Lab 14 Vascular Cambium, Wood Anatomy, and Dendrochronology

Nov 15, 2005

Quantity	Plant Material	Date planted	Days	Directions
	Ivy stems	Nov 15, 2005		
6	potatoes	Nov 15, 2005		
4 - 4"pots	Tomato	Sep 11, 2005	65	1 - 4" pan 12seed/pot

Lab 15 Periderm and Anomalous Secondary Growth in Stems

Nov 17, 2005

Quantity	Plant Material	Date planted	Days	Directions
	Any Euphorbia stem. Also in courtyard	Nov 17, 2005		
	Bird of Paradise flowers. Also in	Nov 17, 2005		
4	Bougainvillea, 18 inch pieces of stem	Nov 17, 2005		
	Cissus rotundifolia	Nov 17, 2005		
	Cordyline stems. Bench 11	Nov 17, 2005		
	Dracena stem. Bench 11. Long green	Nov 17, 2005		
6	Lemons or limes	Nov 17, 2005		
	Palm, young stem. Under chairman's	Nov 17, 2005		
	Sambucus twigs	Nov 17, 2005		

Lab 16 Secretary Structures and Lab Quiz

Nov 22, 2005

Quantity	Plant Material	Date planted	Days	Directions
	Acacia leaves	Nov 22, 2005		
	Acer	Nov 22, 2005		
	Ardisia leaves	Nov 22, 2005		
	Bambusa	Nov 22, 2005		
	Chorisa petioles. In outside walkway	Nov 22, 2005		
	Crassula argenta leaves	Nov 22, 2005		
50	Impatiens leaves	Nov 22, 2005		Enter directions here
	Lactuca scariolar or Sonchus--leaves	Nov 22, 2005		
	Leea coccinea	Nov 22, 2005		
	Mentha (mint) leaves and stems	Nov 22, 2005		
	Nerium oleander leaves	Nov 22, 2005		
	Passiflora sp. leaves and flowers. In Vit.	Nov 22, 2005		
	Piper hispida	Nov 22, 2005		
	Piper nigrum , leaves and stems	Nov 22, 2005		
	Ribes viburnifolium, leaves for	Nov 22, 2005		
	Salix	Nov 22, 2005		
2 - 6"pots	Tomato	Oct 3, 2005	50	1 - 4" pot, 12seed/pot

Lab 17 Leaf Venation, Anatomy, Development, Abscission, and Leaf Environmental

Nov 29, 2005

Quantity	Plant Material	Date planted	Days	Directions
	Acacia phyllodes,with juvenile	Nov 29, 2005		
	Auracaria branch	Nov 29, 2005		
	Carnivorous leaves: Drosera, Dionaea,	Nov 29, 2005		
2	Ceratopteris	Sep 30, 2005	60	Clean up/propagate
	Eucalyptus--adult and juvenile leaves	Nov 29, 2005		
50	Ginko leaves	Nov 29, 2005		Enter directions here
	Hedera (Ivy)--adult and juvenile leaves	Nov 29, 2005		
	Nymphaea (water lily) leaves	Nov 29, 2005		
2	Ranunculus	Nov 29, 2005		

Ruscus cladodes

Nov 29, 2005

50

Taxus leaves

Nov 29, 2005

Enter directions here

Lab 18 Specialized Leaves, Heterophylly, Flowers and Reproduction

Dec 1, 2005

Quantity	Plant Material	Date planted	Days	Directions
	Carnivorous plants: Sarracenia, fly trap	Dec 1, 2005		
2	Ceratophyllum	Dec 1, 2005		
2 - 6" pots	Ricinus leaves	Oct 17, 2005	45	3 seeds/pot, 1 pl