

PLB 105 Fall 2007

Created by: Doug
Created on: 8/7/2007
Sections:

Lab 1 Microscopes and Microtechnique; Plant Development

Sep 27, 2007

Quantity	Plant Material	Date planted	Days	Directions
6 - 6" pots	Bean	Aug 30, 2007	28	8seed/pot 4pl/pot
2 - 6" pots	Bean	Sep 20, 2007	7	20 seed/pot
4 - 6" pots	Bean	Sep 10, 2007	17	15 seed/pot
20 flowers	Tradescantia stamen trichomes	May 30, 2007	120	Repot

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

Oct 2, 2007

Quantity	Plant Material	Date planted	Days	Directions
2 pkg.	Apium(celery)	Oct 2, 2007		Enter directions here
A few	Aridisia petiole	Oct 2, 2007		Enter directions here
2	Begonia petiole	Oct 2, 2007		
	Carrots	Oct 1, 2007	1	Purchase from store. 1 bag
17 - 6" pots,	Coleus	Sep 8, 2007	24	3 cuts/pot
	Elodea stems	Oct 2, 2007		
A few.	Lavendula leaf	Oct 2, 2007		Enter directions here
	Lemna	Oct 2, 2007		
2	Onion bulbs, white	Oct 2, 2007		Enter directions here
50	Pereskia leaf	Oct 2, 2007		Enter directions here
	Pilea	Oct 2, 2007		
6	Potatoes, small baking	Oct 1, 2007	1	Purchase from store.
2	Red bell pepper fruit	Oct 2, 2007		Enter directions here
3 - 6" pots	Vicia sativa	Sep 2, 2007	30	30 seed/pot
	Zebrina	Oct 2, 2007		

Lab 3 Parenchyma and Collenchyma

Oct 4, 2007

Quantity	Plant Material	Date planted	Days	Directions
3 - 6" pots	Cucurbita	Sep 11, 2007	23	6seed/pot 3pl/pot
	Eichornia petiole	Oct 4, 2007		

	Juncus stem	Oct 4, 2007		
2 - 4" pots	Medicago	Aug 17, 2007	48	8seed/pot
6	Nymphaea petioles	Oct 4, 2007		Enter directions here
6	Pear fruit	Oct 4, 2007		
	Petasites petioles	Oct 4, 2007		
	Sambucus	Oct 4, 2007		
	Sansevieria	Oct 4, 2007		
	Smilax root	Oct 4, 2007		

Lab 4 Sclerenchyma, Xylem Regeneration Experiment, Part 2, Lab Exam 1

Oct 9, 2007

Quantity	Plant Material	Date planted	Days	Directions
A few	Linum usitatissimum stems	Oct 9, 2007		Enter directions here
6	Pear fruit	Oct 9, 2007		Enter directions here
A few	Podocarpus leaves	Oct 9, 2007		Enter directions here
	Sanserieria	Oct 9, 2007		

Lab 5 Epidermis

Oct 11, 2007

Quantity	Plant Material	Date planted	Days	Directions
	Agrostis	Oct 11, 2007		
2 - 6" pots	Bean stomata	Sep 16, 2007	25	6 seed/pot 3pl/pot
	Begonia leaf	Oct 11, 2007		
4 - 6" pots	Corn stomata	Sep 11, 2007	30	8 seed/pot 4pl/pot
4 - 6" pots	Cotton stomata	Sep 6, 2007	35	6seed/pan 3pl/pot
	Dianthus leaves	Oct 11, 2007		
	Enseti	Oct 11, 2007		
	Ficus leaves	Oct 11, 2007		
2 - 4"pots	Gasoul	Jul 28, 2007	75	30 seed/pot, sand, refrigerator
	Iris leaves	Oct 11, 2007		
	Musa	Oct 11, 2007		
2	Nicotiana rustica	Jul 26, 2007	77	Plant seed, 1 - 4" pot
2	Nicotiana rustica	Aug 3, 2007	69	Plant seed, 1 - 4" pot
10	Nicotiana rustica petiole	Aug 12, 2007	60	1 - 4" pot, plant seed

	Panadanus	Oct 11, 2007	
	Pansy	Oct 11, 2007	
	Peperomia leaves	Oct 11, 2007	
20 leaves	Peperomia obtusifolium leaves	Oct 11, 2007	Enter directions here
	Snapdragon	Oct 11, 2007	
1	Sugar cane	Oct 11, 2007	
	Tillansia(Spanish moss)	Oct 11, 2007	
	Verbascum leaves	Oct 11, 2007	

Lab 6 Xylem and Xylem Regeneration Experiment, part 3

Oct 16, 2007

Quantity	Plant Material	Date planted	Days	Directions
1 bag	Apium(celery)	Oct 16, 2007		
	Coleus	Oct 16, 2007		

Lab 7 Phloem and Vessel Length Experiment

Oct 18, 2007

Quantity	Plant Material	Date planted	Days	Directions
3 - 6"pots	Cucurbita	Sep 23, 2007	25	6seed/pan 3pl/pot
4 - 1 gallon	Grape 'Chardonnay'	Jul 12, 2007	98	Purchase and plant bare root plants.

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

Oct 23, 2007

Quantity	Plant Material	Date planted	Days	Directions
18 - 6" pots	Pea, dark grown	Oct 18, 2007	5	6 - 6" pots 20seed/pot Vermiculite/sand

Lab 9 Lateral Roots, Specialized Roots, Rootlike Organs, and Lab Exam 2

Oct 25, 2007

Quantity	Plant Material	Date planted	Days	Directions
	Corolloid roots of cycad, Encephalartos	Oct 25, 2007		
	Dandelion roots	Oct 25, 2007		
3 - 6" pots	Dodder	Sep 5, 2007	50	3 - 4" pots Tomato
	Epidendron ariel roots	Oct 25, 2007		
	Ficus pumila-clinging roots	Oct 25, 2007		
5 - 5" pots	Foeniculum	Sep 20, 2007	35	6 seed/pot, 2pl/pot
	Hedra helix (Ivy)--clinging roots	Oct 25, 2007		

	Iris rhizome	Oct 25, 2007		
	Mistletoe--with attachment to tree	Oct 25, 2007		
	Monstera deliciosa--long roots with	Oct 25, 2007		
	Monstera roots	Oct 25, 2007		
3 - 4"pots	Rhizobium	Sep 25, 2007	30	Bean 3 seed/pot , inoculum
2, 3" pieces	Vanilla orchid root	Oct 25, 2007		
	Zebrina stems	Oct 25, 2007		

Lab 10 Mature Primary Roots, Root Secondary Growth

Oct 30, 2007

Quantity	Plant Material	Date planted	Days	Directions
6 - 4"pots	Wheat roots	Oct 2, 2007	28	8 seed/pot

Lab 11 Anomalous Secondary Growth in Roots

Nov 1, 2007

Quantity	Plant Material	Date planted	Days	Directions
2 - 1gal pots	Carrot root	Sep 17, 2007	45	20 seed/pot, 6pl/pot
	Coleus stem	Nov 1, 2007		
4 - 6"pots	Corn	Oct 7, 2007	25	15 seed/pot 10pl/pot
	Dracena draco--old roots	Nov 1, 2007		
2	Sugar beet	Nov 1, 2007		
6 - 6" standard	Sugar beet	Oct 12, 2007	20	12 seed/pot, 5pl/pot
2 - 1 gallon	Sugar beet, mature	May 30, 2007	155	6 seeds/pot, 1 pl/pot
2	Sweet potato	Oct 30, 2007	2	Sue will get at store.

Lab 12 Shoot Apex and Primary Growth

Nov 6, 2007

Quantity	Plant Material	Date planted	Days	Directions
12 - 4"pots	Coleus	Oct 16, 2007	21	1cut/pot
	Coleus--very young stems	Nov 6, 2007		
15-20	Echeveria(Graptopetalum) shoot. Bring	Nov 3, 2007	3	Ask Ernesto to bring some from home.
	Elodea shoot	Nov 6, 2007		
7-8/rm	Epidendron shoots	Nov 6, 2007		
2 - 4" pots	Hesperonide	Sep 17, 2007	50	Find weedlings and transplant.
4 - 6"pots	Lupinus apex	Oct 29, 2007	8	8seed/pot , cover w/sand 2" deep, cool temps

	Lupinus shoot	Nov 6, 2007		
3 - 4" pots	Pelargonium	Jul 9, 2007	120	3 cuttings
	Pelargonium stem	Nov 6, 2007		

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

Nov 8, 2007

Quantity	Plant Material	Date planted	Days	Directions
2	Cephalocereus with lateral cephalum	Nov 8, 2007		
2 plants	Duchenia stolons	Nov 8, 2007		Enter directions here
	Epidendron stem	Nov 8, 2007		
2	Melocactus with cephalum	Nov 8, 2007		
	Peperomia obtusifolium stem. Bench 3	Nov 8, 2007		
6	potatoes	Nov 8, 2007		
A few	Psilotum stems and rhizomes	Nov 8, 2007		Enter directions here
4 - 4"pots	Tomato	Sep 4, 2007	65	1 - 4" pan 12seed/pot

Lab 15 Periderm, Anomalous Secondary Growth in Stems, and Lab Exam 3

Nov 15, 2007

Quantity	Plant Material	Date planted	Days	Directions
4	Bougainvillea, 18 inch pieces of stem	Nov 15, 2007		
	Cordyline stems. Bench 11	Nov 15, 2007		
	Dracena stem. Bench 11. Long green	Nov 15, 2007		
	Ivy stems	Nov 15, 2007		
	Palm, young stem. Under chairman's	Nov 15, 2007		
	Sambucus twigs	Nov 15, 2007		
4 - 4"pots	Tomato	Sep 11, 2007	65	1 - 4" pan 12seed/pot

Lab 16 Secretory Structures and Lab Quiz

Nov 20, 2007

Quantity	Plant Material	Date planted	Days	Directions
	Acacia leaves	Nov 20, 2007		
	Any Euphorbia stem. Also in courtyard	Nov 20, 2007		
A few	Arbutus unedo flowers	Nov 20, 2007		Enter directions here
	Ardisia leaves	Nov 20, 2007		
	Bird of Paradise flowers. Also in	Nov 20, 2007		

A few	Cercropia stems & leaves	Nov 20, 2007		Enter directions here
	Chorisa petioles. In outside walkway	Nov 20, 2007		
	Cissus rotundifolia	Nov 20, 2007		
A few	Correa leaves	Nov 20, 2007		Enter directions here
	Crassula argenta leaves	Nov 20, 2007		
a few	Euphorbia pulcherrima flowers	Nov 20, 2007		Enter directions here
50	Impatiens leaves	Nov 20, 2007		Enter directions here
	Lactuca scariolar or Sonchus--leaves	Nov 20, 2007		
A few	Laurus nobilis leaves	Nov 20, 2007		Enter directions here
	Leea coccinea	Nov 20, 2007		
6	Lemons or limes	Nov 20, 2007		
	Mentha (mint) leaves and stems	Nov 20, 2007		
	Passiflora sp. leaves and flowers. In Vit.	Nov 20, 2007		
	Piper hispida	Nov 20, 2007		
	Piper nigrum , leaves and stems	Nov 20, 2007		
	Ribes viburnifolium, leaves for	Nov 20, 2007		
A few	Salvia leucantha flowers	Nov 20, 2007		Enter directions here
A few	Salvia officinalis leaves	Nov 20, 2007		Enter directions here
2 - 6"pots	Tomato	Oct 1, 2007	50	1 - 4" pot, 12seed/pot

Lab 17 Leaf Venation, Anatomy, Development, and Abscission

Nov 27, 2007

Quantity	Plant Material	Date planted	Days	Directions
	Acer	Nov 27, 2007		
	Bambusa	Nov 27, 2007		
50	Ginko leaves	Nov 27, 2007		Enter directions here
	Nerium oleander leaves	Nov 27, 2007		
A few	Phormium tenax leaves w/red	Nov 27, 2007		Enter directions here
	Salix	Nov 27, 2007		
50	Taxus leaves	Nov 27, 2007		Enter directions here

Lab 18 Leaf Environmental Types, Specialized Leaves, and Heterophylly

Nov 29, 2007

Quantity	Plant Material	Date planted	Days	Directions
	Acacia phyllodes, with juvenile	Nov 29, 2007		
2	Aloe plant in pot	Nov 29, 2007		Enter directions here
A few	Asparagus stems with leaves	Nov 29, 2007		Enter directions here
	Auracaria branch	Nov 29, 2007		
	Carnivorous plants: Sarracenia, fly trap	Nov 29, 2007		
2	Ceratophyllum	Nov 29, 2007		
A few	Epiphyllum or Colletia	Nov 29, 2007		Enter directions here
	Eucalyptus--adult and juvenile leaves	Nov 29, 2007		
	Hedera (Ivy)--adult and juvenile leaves	Nov 29, 2007		
	Nymphaea (water lily) leaves	Nov 29, 2007		
2	Opuntia plant in pot	Nov 29, 2007		Enter directions here
2	Ranunculus	Nov 29, 2007		
2 - 6" pots	Ricinus leaves	Oct 15, 2007	45	3 seeds/pot, 1 pl
	Ruscus cladodes	Nov 29, 2007		

Lab 19 Flowers, Fruits, and Seeds

Dec 4, 2007

Quantity	Plant Material	Date planted	Days	Directions
A few	Crassula flowers	Dec 4, 2007		Enter directions here