

PLB 105 Fall 2009

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Sections:
Lab rooms:

Lab 1 Microscopes and Microtechnique; Plant Development

Sep 24, 2009

Quantity	Plant Material	Date planted	Days	Directions
2 - 6" pots	Bean	Sep 17, 2009	7	20 seed/pot
4 - 6" pots	Bean	Sep 7, 2009	17	15 seed/pot
6 - 6" pots	Bean	Aug 27, 2009	28	8seed/pot 4pl/pot
20 flowers	Tradescantia stamen trichomes	May 27, 2009	120	Repot

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

Sep 29, 2009

Quantity	Plant Material	Date planted	Days	Directions
2 pkg.	Apium(celery)	Sep 29, 2009		Enter directions here
A few	Aridisia petiole	Sep 29, 2009		Enter directions here
2	Begonia petiole	Sep 29, 2009		
	Carrots	Sep 28, 2009	1	Purchase from store. 1 bag
17 - 6" pots,	Coleus	Sep 5, 2009	24	3 cuts/pot
	Elodea stems	Sep 29, 2009		
A few.	Lavendula leaf	Sep 29, 2009		Enter directions here
	Lemna	Sep 29, 2009		
2	Onion bulbs, white	Sep 29, 2009		Enter directions here
50	Pereskia leaf	Sep 29, 2009		Enter directions here
	Pilea	Sep 29, 2009		
6	Potatoes, small baking	Sep 28, 2009	1	Purchase from store.
2	Red bell pepper fruit	Sep 29, 2009		Enter directions here
	Zebrina	Sep 29, 2009		

Lab 3 Parenchyma and Collenchyma

Oct 1, 2009

Quantity	Plant Material	Date planted	Days	Directions
3 - 6" pots	Cucurbita	Sep 8, 2009	23	6seed/pot 3pl/pot
	Eichornia petiole	Oct 1, 2009		

	Juncus stem	Oct 1, 2009		
2 - 4" pots	Medicago	Aug 14, 2009	48	8seed/pot
6	Nymphaea petioles	Oct 1, 2009		Enter directions here
6	Pear fruit	Oct 1, 2009		
	Petasites petioles	Oct 1, 2009		
	Sambucus	Oct 1, 2009		
	Sansevieria	Oct 1, 2009		
	Smilax root	Oct 1, 2009		

Lab 4 Sclerenchyma, Lab Quiz

Oct 6, 2009

Quantity	Plant Material	Date planted	Days	Directions
A few	Linum usitatissimum stems	Oct 6, 2009		Enter directions here
6	Pear fruit	Oct 6, 2009		Enter directions here
A few	Podocarpus leaves	Oct 6, 2009		Enter directions here
	Sanserieria	Oct 6, 2009		

Lab 5 Epidermis

Oct 8, 2009

Quantity	Plant Material	Date planted	Days	Directions
	Agrostis	Oct 8, 2009		
2 - 6" pots	Bean stomata	Sep 13, 2009	25	6 seed/pot 3pl/pot
	Begonia leaf, clustered stomata	Oct 8, 2009		
25	Begonia leaf, without clustered stomata	Oct 8, 2009		
4 - 6" pots	Corn stomata	Sep 8, 2009	30	8 seed/pot 4pl/pot
4 - 6" pots	Cotton stomata	Sep 3, 2009	35	6seed/pan 3pl/pot
	Dianthus leaves	Oct 8, 2009		
	Enseti	Oct 8, 2009		
	Ficus leaves	Oct 8, 2009		
2 - 4"pots	Gasoul	Jul 25, 2009	75	30 seed/pot, sand, refrigerator
	Iris leaves	Oct 8, 2009		
	Musa	Oct 8, 2009		
2 pots	Nicotiana rustica	Jul 23, 2009	77	Plant seed, 1 - 4" pot
2 pots	Nicotiana rustica	Jul 31, 2009	69	Plant seed, 1 - 4" pot

10	Nicotiana rustica petiole	Aug 9, 2009	60	1 - 4" pot, plant seed
	Panadanus	Oct 8, 2009		
	Pansy	Oct 8, 2009		
	Peperomia leaves	Oct 8, 2009		
20 leaves	Peperomia obtusifolium leaves	Oct 8, 2009		Enter directions here
	Snapdragon	Oct 8, 2009		
1	Sugar cane	Oct 8, 2009		
	Tillandsia(Spanish moss)	Oct 8, 2009		
	Verbascum leaves	Oct 8, 2009		

Lab 6 Xylem and Xylem Regeneration Experiment - part 2

Oct 13, 2009

Quantity	Plant Material	Date planted	Days	Directions
1 bag	Apium(celery)	Oct 13, 2009		

Lab 7 Phloem and Xylem Regeneration Experiment - part 3

Oct 15, 2009

Quantity	Plant Material	Date planted	Days	Directions
3 - 6"pots	Cucurbita	Sep 20, 2009	25	6seed/pan 3pl/pot

Lab 8 Lab Exam 1

Oct 20, 2009

Quantity	Plant Material	Date planted	Days	Directions
0	No plants specified	Oct 20, 2009		Enter directions here

Lab 9 Root Apical Organization, Primary Growth, and Root Systems

Oct 22, 2009

Quantity	Plant Material	Date planted	Days	Directions
	Corolloid roots of cycad, Encephalartos	Oct 22, 2009		
	Dandelion roots	Oct 22, 2009		
	Epidendron ariel roots	Oct 22, 2009		
	Ficus pumila-clinging roots	Oct 22, 2009		
	Hedra helix (Ivy)--clinging roots	Oct 22, 2009		
	Iris rhizome	Oct 22, 2009		
	Mistletoe--with attachment to tree	Oct 22, 2009		
	Monstera deliciosa--long roots with growing	Oct 22, 2009		

	Monstera roots	Oct 22, 2009		
18 - 6" pots	Pea, dark grown	Oct 17, 2009	5	6 - 6" pots 20seed/pot Vermiculite/sand
	Zebrina stems	Oct 22, 2009		

Lab 10 Rootlike Organs, Specialized Roots, Mature primary roots

Oct 27, 2009

Quantity	Plant Material	Date planted	Days	Directions
3 - 6" pots	Dodder hastoria	Aug 29, 2009	59	1 - 4" pot tomato
5 - 5" pots	Foeniculum	Sep 22, 2009	35	6 seed/pot, 2pl/pot
3 - 4"pots	Rhizobium	Sep 27, 2009	30	Bean 3 seed/pot , inoculum
2, 3" pieces	Vanilla orchid root	Oct 27, 2009		
6 - 4"pots	Wheat roots	Sep 29, 2009	28	8 seed/pot

Lab 11 Root Secondary Growth and Anomalous Secondary Growth in Roots

Oct 29, 2009

Quantity	Plant Material	Date planted	Days	Directions
2 - 1gal pots	Carrot root	Sep 14, 2009	45	20 seed/pot, 6pl/pot
	Dracena draco--old roots	Oct 29, 2009		
2	Sugar beet	Oct 29, 2009		
6 - 6" standard	Sugar beet	Oct 9, 2009	20	12 seed/pot, 5pl/pot
2 - 1 gallon	Sugar beet, mature	May 27, 2009	155	6 seeds/pot, 1 pl/pot
2	Sweet potato	Oct 27, 2009	2	Sue will get at store.

Lab 12 Shoot Apical Organization, Primary Stem Primary Organization

Nov 3, 2009

Quantity	Plant Material	Date planted	Days	Directions
	Coleus--very young stems	Nov 3, 2009		
	Elodea shoot	Nov 3, 2009		
7-8/rm	Epidendron shoots	Nov 3, 2009		
2 - 4" pots	Hesperonide	Sep 14, 2009	50	Find weedlings and transplant.
4 - 6"pots	Lupinus apex	Oct 26, 2009	8	8seed/pot , cover w/sand 2" deep, cool temps
	Lupinus shoot	Nov 3, 2009		
3 - 4" pots	Pelargonium	Jul 6, 2009	120	3 cuttings
	Pelargonium stem	Nov 3, 2009		

Lab 13 Lab Midterm Exam 2

Nov 5, 2009

Quantity	Plant Material	Date planted	Days	Directions
0	No plants specified	Nov 5, 2009		Enter directions here

Lab 14 Primary Stem Architecture, Stem Modifications, Initiation of Secondary Growth

Nov 10, 2009

Quantity	Plant Material	Date planted	Days	Directions
2	Cephalocereus with lateral cephalum	Nov 10, 2009		
2 plants	Duchenia stolons	Nov 10, 2009		Enter directions here
	Epidendron stem	Nov 10, 2009		
2	Melocactus with cephalum	Nov 10, 2009		
	Peperomia obtusifolium stem. Bench 3 or	Nov 10, 2009		
6	potatoes	Nov 10, 2009		
A few	Psilotum stems and rhizomes	Nov 10, 2009		Enter directions here

Lab 15 Vascular Cambium, Wood Anatomy

Nov 12, 2009

Quantity	Plant Material	Date planted	Days	Directions
4 - 6"pots	Tomato	Sep 8, 2009	65	1 - 4" pan 12seed/pot

Lab 16 Periderm and Anomalous Secondary Growth in Stems

Nov 17, 2009

Quantity	Plant Material	Date planted	Days	Directions
4	Bougainvillea, 18 inch stem pieces	Nov 17, 2009		
	Cordyline stems	Nov 17, 2009		
	Dracena stem	Nov 17, 2009		
	Ivy stems	Nov 17, 2009		
	Palm, young stem	Nov 17, 2009		
	Sambucus twigs	Nov 17, 2009		

Lab 17 Secretory Structures

Nov 19, 2009

Quantity	Plant Material	Date planted	Days	Directions
	Acacia leaves	Nov 19, 2009		
	Acer	Nov 19, 2009		

	Any Euphorbia stem	Nov 19, 2009		
A few	Arbutus unedo flowers	Nov 19, 2009		Enter directions here
	Ardisia leaves	Nov 19, 2009		
	Bambusa	Nov 19, 2009		
	Bird of Paradise flowers	Nov 19, 2009		
A few	Cercropia stems & leaves	Nov 19, 2009		Enter directions here
	Chorisa petioles	Nov 19, 2009		
	Cissus rotundifolia	Nov 19, 2009		
A few	Correa leaves	Nov 19, 2009		Enter directions here
	Crassula argenta leaves	Nov 19, 2009		
a few	Euphorbia pulcherrima flowers	Nov 19, 2009		Enter directions here
50	Ginko leaves	Nov 19, 2009		Enter directions here
50	Impatiens leaves	Nov 19, 2009		Enter directions here
	Lactuca scariolar or Sonchus--leaves	Nov 19, 2009		
A few	Laurus nobilis leaves	Nov 19, 2009		Enter directions here
	Leea coccinea	Nov 19, 2009		
6	Lemons or limes	Nov 19, 2009		
	Mint leaves and stems	Nov 19, 2009		
	Nerium oleander leaves	Nov 19, 2009		
	Passiflora sp. leaves and flowers. In Vit.	Nov 19, 2009		
A few	Phormium tenax leaves w/red variegation	Nov 19, 2009		Enter directions here
	Piper hispida	Nov 19, 2009		
	Piper nigrum , leaves and stems	Nov 19, 2009		
	Ribes viburnifolium, leaves for trichomes	Nov 19, 2009		
	Salix	Nov 19, 2009		
A few	Salvia leucantha flowers	Nov 19, 2009		Enter directions here
A few	Salvia officinalis leaves	Nov 19, 2009		Enter directions here
50	Taxus leaves	Nov 19, 2009		Enter directions here
2 - 6"pots	Tomato	Sep 30, 2009	50	1 - 4" pot, 12seed/pot

Lab 18 Leaf Development and Diversity

Nov 24, 2009

Quantity	Plant Material	Date planted	Days	Directions
	Acacia phyllodes, with juvenile (compound)	Nov 24, 2009		
2	Aloe plant in pot	Nov 24, 2009		Enter directions here
A few	Asparagus stems with leaves	Nov 24, 2009		Enter directions here
	Auracaria branch	Nov 24, 2009		
2	Ceratophyllum	Nov 24, 2009		
4	Dionaea	Nov 24, 2009		Enter directions here
	Drosera	Nov 24, 2009		
A few	Epiphyllum or Colletia	Nov 24, 2009		Enter directions here
	Eucalyptus--adult and juvenile leaves	Nov 24, 2009		
	Hedera (Ivy)--adult and juvenile leaves	Nov 24, 2009		
	Nymphaea (water lily) leaves	Nov 24, 2009		
2	Opuntia plant in pot	Nov 24, 2009		Enter directions here
4	Pinguicula	Nov 24, 2009		Enter directions here
2	Ranunculus	Nov 24, 2009		
2 - 6" pots	Ricinus leaves	Oct 10, 2009	45	3 seeds/pot, 1 pl
	Ruscus cladodes	Nov 24, 2009		