

Lab 1 Microscopes and Microtechnique; Plant

Sep 30, 2004

Quantity	Plant Material	Date planted	Days	Directions
6 - 6" pots	Bean	Sep 2, 2004	28	8seed/pot 4pl/pot
8 - 6" pots	Bean	Sep 13, 2004	17	20 seed/pot
4 - 6" pots	Bean	Sep 23, 2004	7	20 seed/pot
	Coleus or geranium	Sep 30, 2004		
	Succulent leaves	Sep 30, 2004		
20 flowers	Tradescantia stamen trichomes	Sep 30, 2004		Enter directions here

Lab 2 The Plant Cell and Xylem Regeneration

Oct 5, 2004

Quantity	Plant Material	Date planted	Days	Directions
2	Begonia petiole	Oct 5, 2004		
	Carrots	Oct 4, 2004	1	Purchase from store. 1 bag
17 - 6" pots,	Coleus	Sep 8, 2004	27	6 - 6"pots, 9 cuts/pot
	Elodea stems	Oct 5, 2004		
	Lemna	Oct 5, 2004		
50	Pereskia leaf	Oct 5, 2004		Enter directions here
	Pilea	Oct 5, 2004		
6	Potatoes, small baking	Oct 4, 2004	1	Purchase from store.
3 - 6" pots	Vicia sativa	Sep 5, 2004	30	30 seed/pot
	Zebrina	Oct 5, 2004		

Lab 3 Parenchyma and Collenchyma

Oct 7, 2004

Quantity	Plant Material	Date planted	Days	Directions
3 - 6" pots	Cucurbita	Sep 14, 2004	23	6seed/pot 3pl/pot
	Eichornia petiole	Oct 7, 2004		
	Juncus stem	Oct 7, 2004		
2 - 4" pots	Medicago	Aug 20, 2004	48	8seed/pot
6	Nymphaea petioles	Oct 7, 2004		Enter directions here

6	Pear fruit	Oct 7, 2004
	Petasites petioles	Oct 7, 2004
	Sambucus	Oct 7, 2004
	Sansevieria	Oct 7, 2004
	Smilax root	Oct 7, 2004

Lab 4 Sclerenchyma and Lab Quiz 1

Oct 12, 2004

Quantity	Plant Material	Date planted	Days	Directions
	Begonia leaf	Oct 12, 2004		
	Dianthus leaves	Oct 12, 2004		
	Enseti	Oct 12, 2004		
	Iris leaves	Oct 12, 2004		
A few	Linum usitatissimum stems	Oct 12, 2004		Enter directions here
	Musa	Oct 12, 2004		
	Panadanus	Oct 12, 2004		
	Sanserieria	Oct 12, 2004		

Lab 5 Epidermis and Xylem Regeneration

Oct 14, 2004

Quantity	Plant Material	Date planted	Days	Directions
	Agrostis	Oct 14, 2004		
2 - 6" pots	Bean stomata	Sep 19, 2004	25	6 seed/pot 3pl/pot
4 - 6" pots	Corn stomata	Sep 14, 2004	30	8 seed/pot 4pl/pot
4 - 6" pots	Cotton stomata	Sep 9, 2004	35	6seed/pan 3pl/pot
	Ficus leaves	Oct 14, 2004		
2 - 4"pots	Gasoul	Jul 31, 2004	75	30 seed/pot, sand, refrigerator
	Iris leaves	Oct 14, 2004		
2	Nicotiana rustica	Jul 29, 2004	77	Plant seed, 1 - 4" pot
2	Nicotiana rustica	Aug 6, 2004	69	Plant seed, 1 - 4" pot
10	Nicotiana rustica petiole	Aug 15, 2004	60	1 - 4" pot, plant seed
	Pansy	Oct 14, 2004		
	Peperomia leaves	Oct 14, 2004		
	Snapdragon	Oct 14, 2004		

1	Sugar cane	Oct 14, 2004
	Tillandsia(Spanish moss)	Oct 14, 2004
	Verbascum leaves	Oct 14, 2004

Lab 6 Xylem and Xylem Regeneration Experiment,

Oct 19, 2004

Quantity	Plant Material	Date planted	Days	Directions
1 bag	Apium(celery)	Oct 19, 2004		
	Coleus	Oct 19, 2004		

Lab 7 Phloem and Lab Quiz 2

Oct 24, 2004

Quantity	Plant Material	Date planted	Days	Directions
3 - 6"pots	Cucurbita	Sep 29, 2004	25	6seed/pan 3pl/pot
4 - 1 gallon	Grape 'Chardonnay'	Jul 18, 2004	98	Purchase and plant bare root plants.

Lab 8 Root Apical Organization, Primary Growth,

Oct 26, 2004

Quantity	Plant Material	Date planted	Days	Directions
18 - 6" pots	Pea, dark grown	Oct 21, 2004	5	6 - 6" pots 20seed/pot Vermiculite/sand
6 - 4"pots	Wheat	Sep 28, 2004	28	8 seed/pot

Lab 9 Lateral Roots, Specialized Roots and

Oct 28, 2004

Quantity	Plant Material	Date planted	Days	Directions
	Alder roots--actinorhizal nodules	Oct 28, 2004		
	Corolloid roots of cycad, Encephalartos	Oct 28, 2004		
	Dandelion roots	Oct 28, 2004		
4 - 4"pots	Dodder	Aug 9, 2004	80	Medicago, 8 seed/pot
	Epidendron ariel roots	Oct 28, 2004		
	Ficus pumila-clinging roots	Oct 28, 2004		
5 - 5" pots	Foeniculum	Sep 23, 2004	35	6 seed/pot, 2pl/pot
	Hedra helix (Ivy)--clinging roots	Oct 28, 2004		
	Iris rhizome	Oct 28, 2004		
	Mistletoe--with attachment to tree	Oct 28, 2004		
	Monstera deliciosa--long roots with	Oct 28, 2004		

	Monstera roots	Oct 28, 2004		
	Remind TA's about petri plates and pea	Oct 28, 2004		
3 - 4"pots	Rhizobium	Sep 18, 2004	40	Bean 3 seed/pot , inoculum
2, 3" pieces	Vanilla orchid root	Oct 28, 2004		
	Zebrina stems	Oct 28, 2004		

Lab 10 Mature Primary Roots, Root Secondary

Nov 2, 2004

Quantity	Plant Material	Date planted	Days	Directions
3 - 4"pots	Wheat roots	Oct 5, 2004	28	8 seed/pot

Lab 11 Anomalous Secondary Growth in Roots

Nov 4, 2004

Quantity	Plant Material	Date planted	Days	Directions
2 - 1gal pots	Carrot root	Sep 20, 2004	45	20 seed/pot, 6pl/pot
12 - 4"pots	Coleus	Oct 14, 2004	21	1cut/pot
	Coleus--very young stems	Nov 4, 2004		
	Dracena draco--old roots	Nov 4, 2004		
	Elodea shoot	Nov 4, 2004		
7-8/rm	Epidendron shoots	Nov 4, 2004		
2 - 4" pots	Hesperonide	Sep 15, 2004	50	Find weedlings and transplant.
	Lupinus shoot	Nov 4, 2004		
2	Sugar beet	Nov 4, 2004		
6 - 6" standard	Sugar beet	Oct 15, 2004	20	12 seed/pot, 5pl/pot
2 - 1 gallon	Sugar beet, mature	Jun 2, 2004	155	6 seeds/pot, 1 pl/pot
2	Sweet potato	Nov 2, 2004	2	Sue will get at store.
	Zea mays (corn) shoots	Nov 4, 2004		

Lab 12 Shoot Apex and Primary Growth

Nov 9, 2004

Quantity	Plant Material	Date planted	Days	Directions
	Coleus stem	Nov 9, 2004		
4 - 6"pots	Corn	Oct 15, 2004	25	15 seed/pot 10pl/pot
15-20	Echeveria(Graptopetalum) shoot. Bring	Nov 6, 2004	3	Ask Ernesto to bring some from home.

4 - 6"pots	Lupinus	Nov 1, 2004	8	8seed/pot , cover w/sand 2" deep, cool temps
3 - 4" pots	Pelargonium	Jul 12, 2004	120	3 cuttings
	Pelargonium stem	Nov 9, 2004		

Lab 13 Stem Architecture, Modifications, and

Nov 16, 2004

Quantity	Plant Material	Date planted	Days	Directions
2	Cephalocereus with lateral cephalum	Nov 16, 2004		
2 plants	Duchenia stolons	Nov 16, 2004		Enter directions here
	Epidendron stem	Nov 16, 2004		
2	Melocactus with cephalum	Nov 16, 2004		
	Peperomia obtusifolium stem. Bench 3	Nov 16, 2004		
A few	Psilotum stems and rhizomes	Nov 16, 2004		Enter directions here

Lab 14 Vascular Cambium, Wood Anatomy, and

Nov 18, 2004

Quantity	Plant Material	Date planted	Days	Directions
	Ivy stems	Nov 18, 2004		
6	potatoes	Nov 18, 2004		
4 - 4"pots	Tomato	Sep 14, 2004	65	1 - 4" pan 12seed/pot

Lab 15 Periderm and Anomalous Secondary Growth

Nov 23, 2004

Quantity	Plant Material	Date planted	Days	Directions
	Any Euphorbia stem. Also in courtyard	Nov 23, 2004		
	Bird of Paradise flowers. Also in	Nov 23, 2004		
4	Bougainvillea, 18 inch pieces of stem	Nov 23, 2004		
	Cissus rotundifolia	Nov 23, 2004		
	Cordyline stems. Bench 11	Nov 23, 2004		
	Dracena stem. Bench 11. Long green	Nov 23, 2004		
6	Lemons or limes	Nov 23, 2004		
	Palm, young stem. Under chairman's	Nov 23, 2004		
	Sambucus twigs	Nov 23, 2004		

Lab 16 Secretary Structures and Lab Quiz

Nov 30, 2004

Quantity	Plant Material	Date planted	Days	Directions
	Acacia leaves	Nov 30, 2004		
	Acer	Nov 30, 2004		
	Ardisia leaves	Nov 30, 2004		
	Bambusa	Nov 30, 2004		
	Chorisa petioles. In outside walkway	Nov 30, 2004		
	Crassula argenta leaves	Nov 30, 2004		
50	Impatiens leaves	Nov 30, 2004		Enter directions here
	Lactuca scariolar or Sonchus--leaves	Nov 30, 2004		
	Leea coccinea	Nov 30, 2004		
	Mentha (mint) leaves and stems	Nov 30, 2004		
	Nerium oleander leaves	Nov 30, 2004		
	Passiflora sp. leaves and flowers. In Vit.	Nov 30, 2004		
	Piper hispida	Nov 30, 2004		
	Piper nigrum , leaves and stems	Nov 30, 2004		
	Ribes viburnifolium, leaves for	Nov 30, 2004		
	Salix	Nov 30, 2004		
2 - 6"pots	Tomato	Oct 11, 2004	50	1 - 4" pot, 12seed/pot

Lab 17 Leaf Venation, Anatomy, Development,

Dec 2, 2004

Quantity	Plant Material	Date planted	Days	Directions
	Acacia phyllodes,with juvenile	Dec 2, 2004		
	Auracaria branch	Dec 2, 2004		
	Carnivorous leaves: Drosera, Dionaea,	Dec 2, 2004		
2	Ceratopteris	Oct 3, 2004	60	Clean up/propagate
	Eucalyptus--adult and juvenile leaves	Dec 2, 2004		
50	Ginko leaves	Dec 2, 2004		Enter directions here
	Hedera (Ivy)--adult and juvenile leaves	Dec 2, 2004		
	Nymphaea (water lily) leaves	Dec 2, 2004		
2	Ranunculus	Dec 2, 2004		

Ruscus cladodes

Dec 2, 2004

50

Taxus leaves

Dec 2, 2004

Enter directions here

Lab 18 Specialized Leaves, Heterophylly, Flowers

Dec 7, 2004

Quantity	Plant Material	Date planted	Days	Directions
	Carnivorous plants: Sarracenia, fly trap	Dec 7, 2004		
2	Ceratophyllum	Dec 7, 2004		
2 - 6" pots	Ricinus leaves	Oct 23, 2004	45	3 seeds/pot, 1 pl