Tech Prep Sheet: Bio Sci 230

Micro-Pipetting and Serological Pipetting LAB (NOTE).. This lab lasts the entire second week on the class as students will work through the protocols to reach a level of competency that will take some students more time than others…

Supplies	**Amount/ student pair**	**Total # students**	**Total amount**	**Precautions/storage/timeline**
Lab Protocol	2	24	30	1 copy of lab per student (6 extra)
1.5 ml microfuge tubes	4	24	100	In lab, no sterile
1.0, 5.0, 10.0 and 25 serlogical pipets	1	12	15	Can be reused, and sterility not issue
Pipet pumps for above sizes	1	12	15	Can be reused, and sterility not issue
Pipet tips	1 box	12	15	In lab, sterility no issue
Electronic Pipet pumps	1	12	2-3	Used episodically in lab
Filter Paper	2	24	30	Thicker, absorbent paper needed, 10 cm by 30 ideal, but variable sizes are OK… Will be thrown out at end of lab..
Parafilm squares	About 16	12	200	Extra needed…2-3 cm squares
PCR tubes (8 per strip)	2	12	30	Re-use every semester?
Food Coloring				Use to make more solution as needed
Glycerol				Use more to make ore solution
Masking Tapes, Markers	1	12	15	Each team needs own marker, share tape..
Reagents	**Amount/ student pair**	**Total # students**	**Total amount**	**Precautions/storage/timeline**
Microfuge tubes with colored water				Labeled R,G,B,Y, Rack already prepared
Microfuge tubes with colored water and glycerol				Labeled R*,G*,B*,Y*, Rack already prepared
50 ml falcon tubes with extra of above 8 solutions…				
50 or 100 ml beakers	1	24	15	A few extra are good, prefer to keep stock of glassware in lab..
Equipment	**Amount/ student pair**	**Total # students**	**Total amount**	**Precautions/storage/timeline**
2 scales, 300 gram capacity	shared			Analytical scales in lab do not go up to needed mass
2-20, 20-200 and 100-1000 ul micropipetor				