

Laboratory Resources

Locker Contents

Each student will be assigned a locker containing:

1 400 ml beaker	1 blue pipet pump (2 ml)
1 50 ml erlenmeyer flask	1 green pipet pump (10 ml)
1 test tube rack	1 permanent marker
1 microfuge rack	1 6" ruler
1 magnetic stirring bar	1 box matches

Stockroom Sign-Outs

At the beginning of the first lab you must sign out the following items for the term:

Per Pair:	1 funnel
	1 roll masking tape
	1 500 ml graduated cylinder
Per Student:	1 1l erlenmeyer flask
	1 floating microfuge rack

Before coming to lab each day, each student is expected to sign out a set of Pipetman pipetors (P-20, P-200, and P-1000) for the period. **PIPETORS MUST BE RETURNED AT THE END OF CLASS**

Before coming to lab each day, each pair is expected to sign out an appropriate gel box and power supply, ice bucket, and staining tray for the day's work

It is a good idea to keep all stockroom receipts in case you are billed for non-returned items

Required Items

Safety glasses
Lab coat
Lab notebook: spiral-bound, 4x4 quadrille, 8.5" x 11"
polar coordinate graph paper
4-cycle semi log paper
compass

Reagent Kits

Each pair of students will be given a DNA & Buffer Kit and an Enzyme Kit. Write your names on the blank blue tape on each box but otherwise, make no marks on the boxes.

DNA and Buffer Kit

Large:	Orange	- low salt buffer (10x)
	Purple	- medium salt buffer (10x)
	Blue	- high salt buffer (10x)
	Yellow	- pUC9 DNA
	Green	- pPL608 DNA
	Red	- pRHR30 DNA
	White	- tracking dye
Small:	Red	- λ HindIII molecular weight standard
	Blue	- 1 kb ladder molecular weight standard
	Green	- DNA ligase buffer (5x)
	Yellow	- NEB 3 restriction buffer (10x)
	Orange	- NEB <i>Bam</i> HI restriction buffer (10x)

Enzyme Kit

Red	- <i>Eco</i> RI	60 μ l
Blue	- <i>Hind</i> III	80 μ l
Green	- <i>Bam</i> HI	60 μ l
Orange	- <i>Bgl</i> II	30 μ l
Yellow	- <i>Pst</i> I	30 μ l
White	- <i>Xba</i> I	30 μ l
Purple	- T4 DNA Ligase	10 μ l

YOU MAY NOT GO INTO STOCK ENZYMES WITHOUT PERMISSION!

I NEVER GIVE PERMISSION TO GO INTO STOCK ENZYMES!