

Full kit- (Lab 1, 2a, 4a, 5,6 & Colony PCR)



PCR ONLY

Bin #1 contains the following:

PCR thermocycler

PCR green adapter

1 Power cord

12 P-10 micropipettes

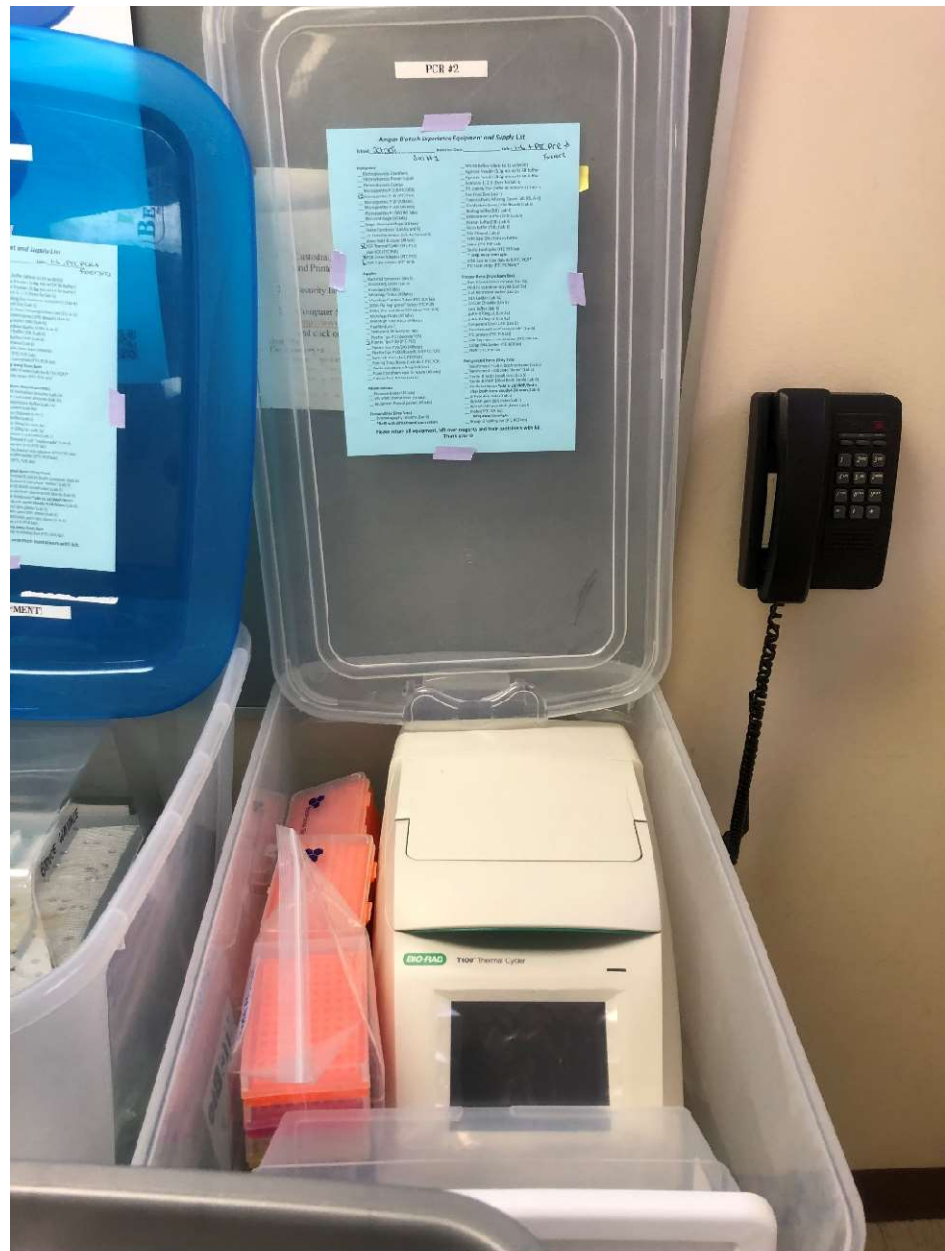
5 P-10 micropipette tips

6 PCR tube holder racks

Microfuge cap-less tubes-PCR

200uL thin wall clear PCR
tubes-PCR

6 Cool rack for microcentrifuge
tubes



Bin # 2 contains the following:

Resource binder

SDS sheet thumb drive

Equipment manual packet

Water bath & cover

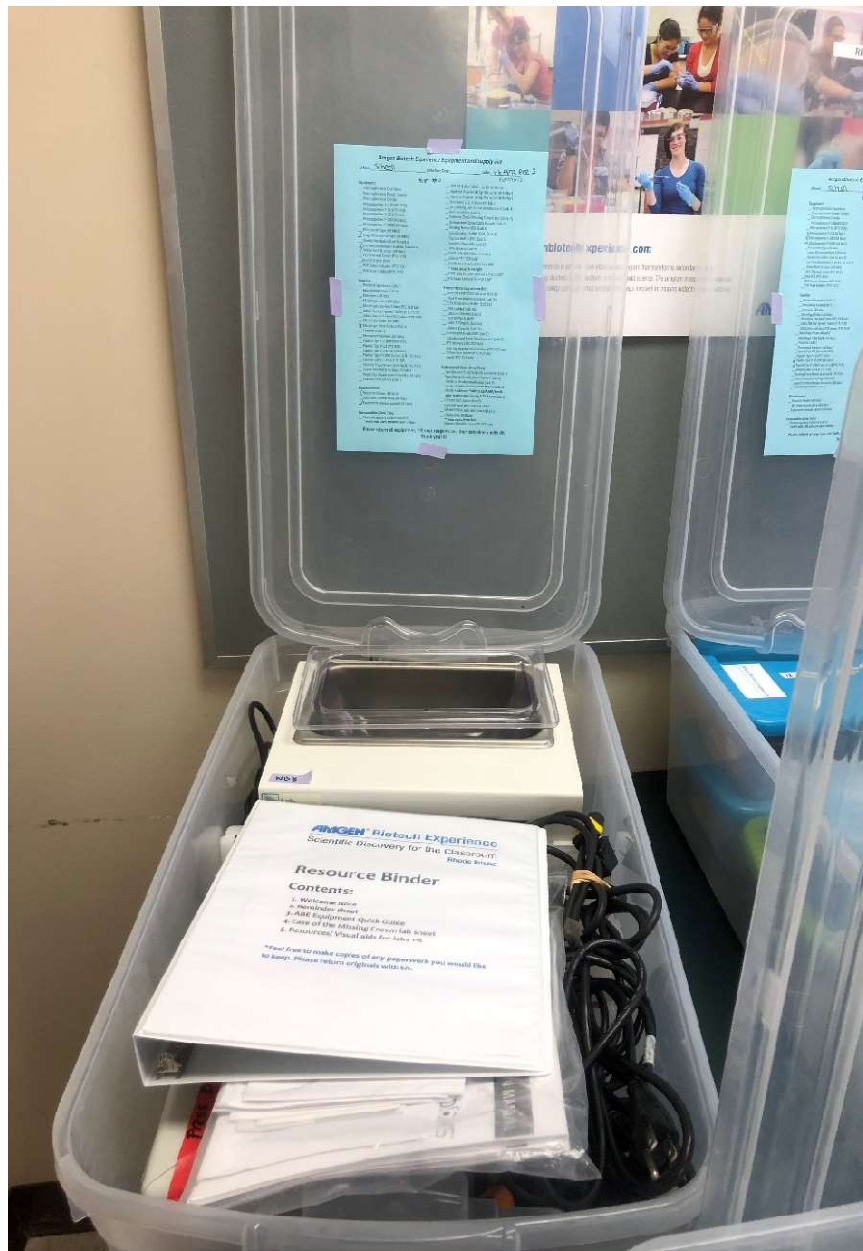
Large centrifuge

UV transilluminator

6 Power cords

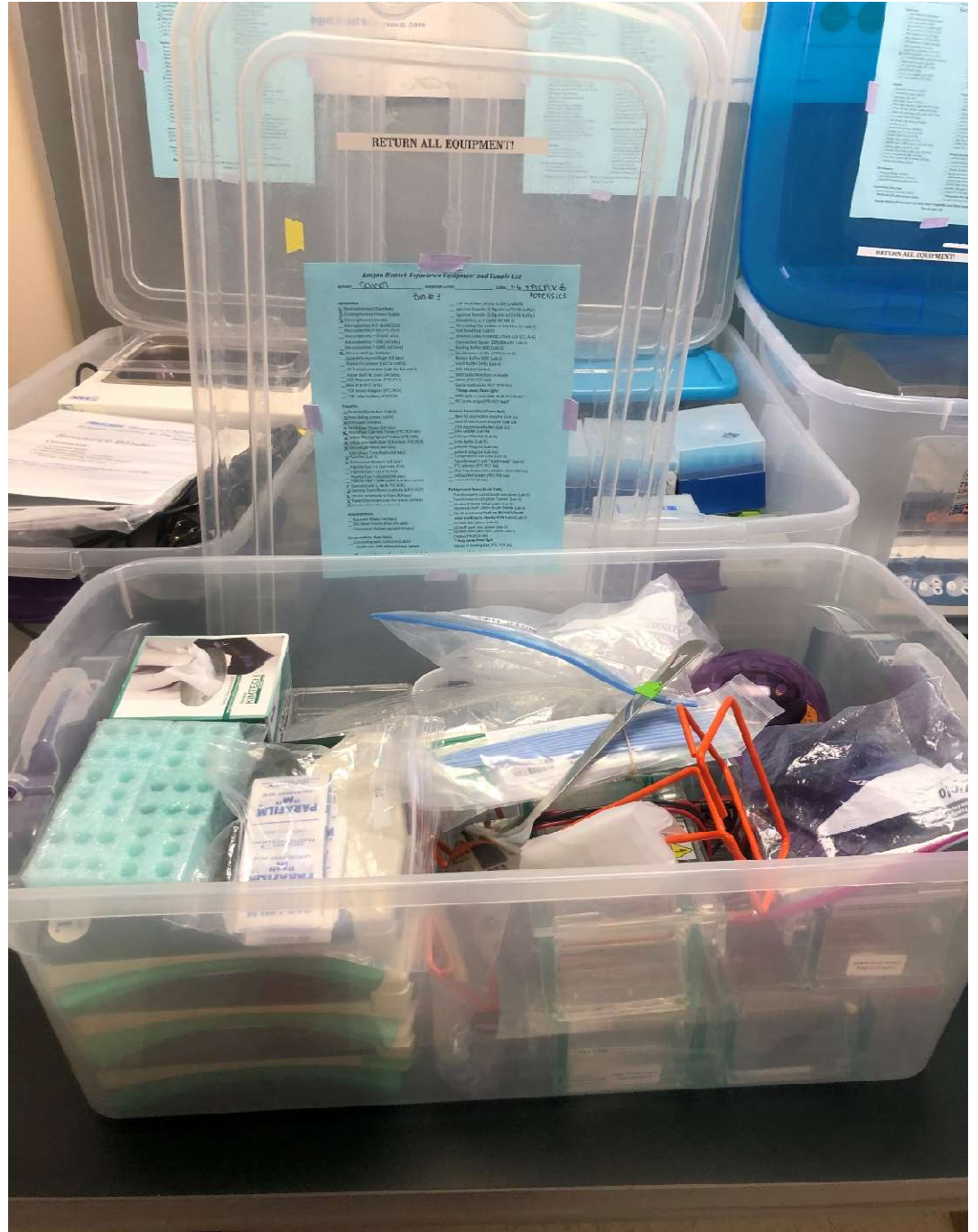
7 microfuge tube racks

Microfuge ice tray (teacher prep)



Bin #3 contains the following:

- 6 electrophoresis chambers
- 3 electrophoresis power supply
- 12 electrophoresis combs
- 1 mini centrifuge
- Bacterial spreaders
- Inoculating loops
- Kimwipes
- Microfuge tubes
- 8 microfuge floats
- Parafilm
- 12 permanent markers
- 1 spatula
- 6 staining trays
- 2 waste receptacles w/ bags
- 6 practice petri dishes
- 12 Styrofoam/ paper cups for waste and ice



Bin #5 contains the following: **room temp items**

12 chromatography columns

1L of 20x SB buffer

1.2g of agarose powder in conical tubes

Solutions 1, 2 & 3

5x loading dye

Red food dye

Missing crown dyes

2 disinfectant spray bottles (10% bleach)

Binding Buffer

Wash Buffer

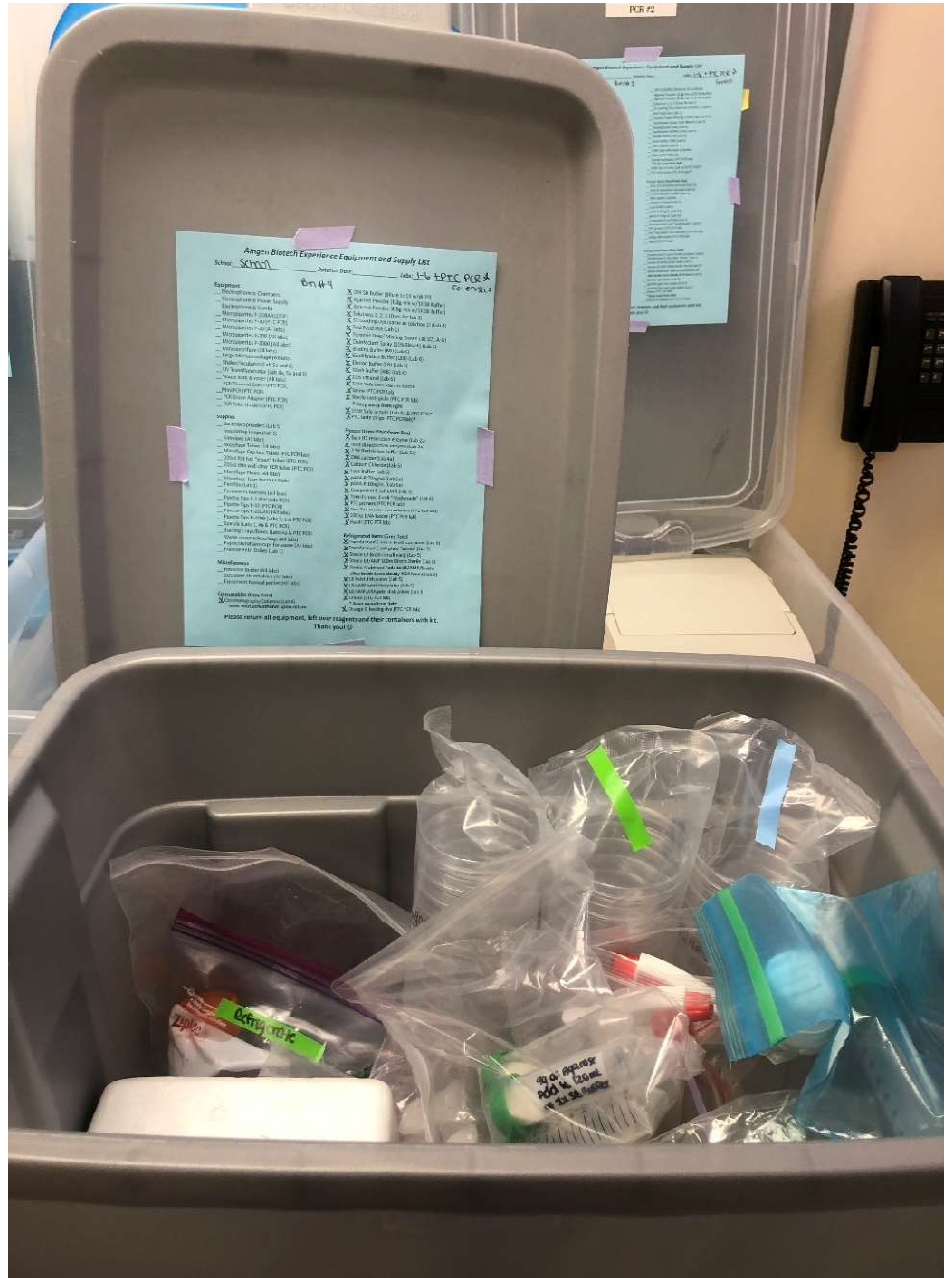
Elution Buffer

Equilibration buffer

20% ethanol

SybrSafe in tube

Cooling freeze rack for cryovial of competent cell freeze storage



Refrigerated Items: ALL IN Blue cooler except plates

Transformed E.coli broth (pink broth)

Transformed E.coli demo plate (pink colonies on LB/AMP/ARA plate)

Sterile LB broth (small vials)

Sterile LB/Amp 100mL broth

Sterile arabinose

LB petri dish plates-Gray tote

LB/AMP petri dish plates-Gray tote

LB/AMP/ARA petri dish plates-Gray tote

Freezer items: (BLUE cooler)

BamH1

pARA 70ng/uL

HindIII

pARA 10ng/uL

2.5x restriction buffer

Competent E.coli LMG

DNA ladder (1 Kb)

Transformed E.coli

Colony primers -PCR

One Taq master mix solution-PCR

Lysis buffer

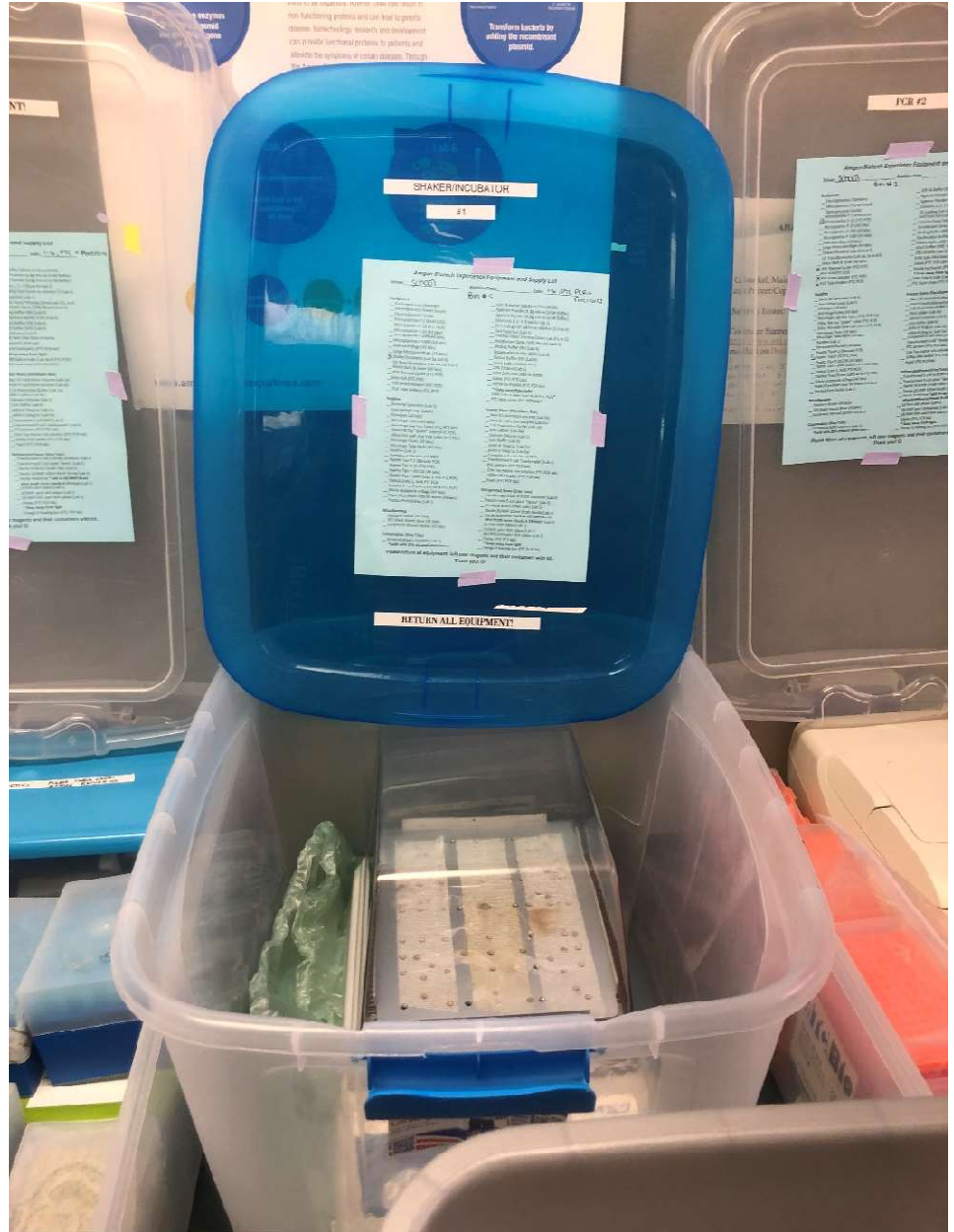
Colony PCR Positive and Negative Plasmid controls

100 bp DNA Ladder-PCR

Bin #4 contains the following:

Shaker/ incubator

Power cord



Bin #6 contains the following:

12 p-20 micropipettes

12 p-200 micropipettes

12 p-1000 micropipettes

4 p-1000 pipette tips

6 p-20/200 pipette tips

