

- Because of the large amount of clones to send out for sequencing than originally predicted, sequencing will be sent out to an outside source so that it can be accomplished for a cheaper price. This means that it will take one week as opposed to 2-3 days, and a bit more organization.
- However it will NOT be necessary to do a Miniprep at this step, and instead we will just send off 10 liquid bacterial cultures per biobrick.

### **Protocol**

#### **Materials**

- LB/Carb (in stainless steel 4 deg, ONE PER GROUP and keep at 4 degrees)
  - 96 well tray (on the side of the lab near the Nano Drop)
  - Sterile Toothpicks
  - Plate of clones from transformation
  - 96 well Map sheet (near the list of biobrick oligos near the chalk board)
  - Foil Plate cover (where PCR tubes are kept)
- 1) After transformation, label up to 8 white colonies by numbering. \*For smaller biobricks (less than 500bp) 8 white colonies should sent off for sequencing, but for larger Biobricks (500bp and up) around 10 should be labeled and sent\*
  - 2) Take a 96 well plate map sheet and label which colonies will be placed in which wells in the 96 well plate. (the colonies should be labeled on the sheet such that the first part of the well name represents the Biobrick and the second part represents the colony number- ex BBa\_K11XXXX.colonynumber) Also label the plate with your group name and biobricks contained
  - 3) White colonies are picked individually into 100ul LB/Carb in sterile 96 well plates (with a lid) and grown, standing, overnight at 37°C.
  - 4) Cover with a foil plate cover, sealed well and place at 4 degrees on the shelf for sequencing submission.