Glycerol Stock

Introduction

While minipreping, remaining miniprep culture should be have been kept in the 4 degree C fridge. After sequencing and confirmation, the miniprep culure of the cells you've chosen to midiprep should be made into a glycerol stock and put into the -80 iGEM glycerol box.

Materials

- Cryo Tubes (orange caps, in bottom drawer)
- 50% Glycerol solution (on shelves above bench) 500uL (for each miniprep culture)
- Miniprep 500uL
- Label Printer and other components
- P1000 and tips

Procedure

Initial Set Up

1. First make sure that the tape printer located on top of the computer tower has enough tape. If out of tape, contact Brian for more.
2. Take our your miniprep cultures and aspirate the ones that you will not be using for midiprep
3. Check that you have enough glycerol. If out, contact Brian.
4. Take out the number of cryo tubes equal to the amount of minipreps cultures you'll be using for midiprep. If out, check the Weiss Lab cabinets located in hall.

Labels

5. Labels should be made first before making the glycerol stock so you don't confuse tubes.
6. The label making program, P-touch Editor 5.0, can be found on the desktop of the computer
7. If the iGEM label template is not open, click File--->Open---->iGEM 2016 Template Label
8. Follow template of label. Fill in date, your initiails, plasmid name, cell type, and add 'iGEM 2016'
9. Once finished, print the labels using the printer named Brother PT-2430PC
10. The labels are peel stickers. Stick labels onto cryo tubes

Making Glycerol Stock

11. Pipette 500uL glycerol into each cryo tube.

12. Pipette 500ul of each miniprep culture into their respective cryo tubes. Remember to switch pipette tips each time

13. Cap tubes are store in -80 degree freezer in iGEM glycerol stock box. Should be located in the bottom of the freezer.

14. Store remaining miniprep cultures in 4 degree fridge until used to grow midiprep culture