Glycerol stock protocol

Glycerol stocks are the best way to store bacterial strains at -80 °C. Glycerol is a cryoprotectant which will help the culture to survive under frozen conditions. These frozen cultures are stored at -80 °C and are used for "plating out" colonies.

Things you will need:

- *Sterile (autoclaved) 80% glycerol solution in LB.*
- *Sterile cryo vials with caps*

1. Plate bacteria on LB plate (+antibiotic) and grow at 37 °C overnight.
   Use **single** colony to inoculate 3-5 mL of LB (+antibiotic). Grow this culture at 37 °C with shaking overnight. You can also use the same **starter** for making miniprep.
2. Mark the needed amount of sterile cryo vials (these are special tubes) with the following information:
   bacterial strain, plasmid name, antibiotic resistance, date, name
3. Add 500 µl of the 80% glycerol solution (80% autoclaved glycerol+20% autoclaved LB)
4. Add 500 µl from starter.
5. Invert several times.
6. Store glycerol stocks at -80□C.

Add the details of the bacterial glycerol stock to the dedicated file in our dropbox.