Sequencing

For Macrogen Sanger sequencing & Plasmidsaurus

Materials

- Isolated plasmid
- Mili Q water

Equipment

- Nanodrop
- PCR/Eppendorf tubes
- Pipettes and pipette tips (0.5 -10, 2-20 µL)

Protocol

For Macrogen Sanger sequencing (EZ-Seq):

1. Measure the DNA concentration with NanoDrop
2. In two 1.5 mL eppendorf tubes add: the template (500 ng for plasmids, 250 ng for linear fragments), 3 µLof 10 µMprimer, MQ water (to 10 µL)
3. Apply an EZ-Seq label to each Eppendorf tube
4. Send for sequencing

For Plasmidsaurus:

1. Measure the DNA concentration with NanoDrop
2. Dilute with MQ water and send for sequencing a 10-15 µLvolume of 30 ng/µLplasmid DNA