

MINI with QIAprep Spin miniprep kit

If you got positive colonies in the previous lab, use the QIAprep Spin miniprep kit to purify high quality DNA for each plasmid for sequencing. If you don't, you are going to use other group's cultures.

You are going to follow the manufacturer's protocols:

You are also going to set up a LR *in vitro* recombination reaction to shuttle the genes into a expression vector to express the protein in *E. coli* during the first lab period of lab 4.

In the second session of this lab, we are going to use the following softwares to analyze the sequences when the sequencing data is back:

In the meantime, you are going to transform the RL reaction product to *E. coli* in preparation for the next lab.

Sequencher: (demo version available at: <http://www.genecodes.com/demos/>)

Gene construction kit: (demo version available at: <http://www.textco.com/downloads/demos0.html>)

You will need to down load the programs before hand. I will should you how to use them. There are other programs that can do what we need to do. If you are familiar with other programs, you are welcome to share your good experience with the lab, too.