Technische Universiteit
Eindhoven
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iGEM TU/e 2015
Biomedical Engineering

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Sequencing at StarSeq

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Sequencing at StarSeq

1 Preparation of samples

Estimated bench time: 2 minutes per sample
Estimated total time: 2 minutes per sample
Purpose: Sending the plasmids to StarSeq for sequencing

1.1 Materials

- Autoclaved H_2O
- Autoclaved PCR tubes with flat lids
- Falcon tube
- Pipettes and tips
- Plasmids which are to be sequenced
- Primers which are needed for sequencing

1.2 Setup & Protocol

- It is necessary to know the concentrations of the plasmids which are to be sequenced. We sequenced using the U-mix product StarSeq is offering. The sequencing method is StarSeq sequencing.
- Verify how large the plasmid is. StarSeq requires certain amounts of DNA for sequencing to work.
- Add the plasmid DNA first up till the required amount of DNA (to a maximum of 6 µl).
- Add 1 µl of 10 µM primer necessary for sequencing. Make sure you use the correct primer.
- If necessary, add H_2O up to a volume of 7 µl.
- Number the PCR tubes. The PCR tubes can be put in a small Falcon tube which can be sent out to StarSeq. Write the numbers of the PCR tubes on the Falcon tube.
- Send the Falcon tubes to StarSeq for sequencing.