Technische Universiteit
Eindhoven
University of Technology

iGEM TU/e 2017
Biomedical Engineering

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Plating

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1 Plating

Estimated bench time: 15 minutes
Estimated total time: 18 hours
Purpose: Amplification of the ligation product.

It is essential to work sterile, thus disinfect your hands and work near a Bunsen Burner.

1.1 Materials

- Bunsen Burner
- Dried LB-agar plates with antibiotic
- Drigalski spatula in ethanol
- Eppendorf tubes with the incubated cells
- Incubator
- Pipettes and tips

1.2 Setup & Protocol

- Take the dried agar plate out of the 37 °C incubator.
- Label the bottom of the plate with your initials, date, bacterial strain, plasmid type and gene name (mutant).
- Open an agar plate in close proximity of the Bunsen burner flame.
- Pipette the cells on the plate.
- Sterilize the Drigalski spatula by burning the ethanol on it (watch out that the burning alcohol does not ‘flow’ to your hands). Shortly let it cool down.
- Spread the cells on the plate using the sterile spatula.
- Transfer the agar plate to the 37°C incubator.
- Place the plate upside down, closed. Let the cells grow overnight.