Colony PCR

1. Prepare pcr tubes with appropriate taq-pcr solution (primer, polymerase etc.)
    1. Taq
        1. 12,5 µl taq mastermix
        2. 7,5 µl water
        3. 2,5 µl primer with 0.1 µM
2. Draw a grid on a agarose plate
3. Using a sterile toothpick, pick a colony and sweep it over a cell of the grid.
4. Spin the toothpick in the associated pcr tube and discard the toothpick.
5. Incubate the agarose plate at 37 °C while running the pcr
    1. 1x 5 min at 95 °C initial cell breakage and DNA denaturation
    2. 25x
        1. 1 min at 95 °C
        2. 30 s at Ta primer bind
        3. (1 min/kb) at 72 °C
    3. 1x 5 min at 72 °C final elongation