Screening Colonies by PCR

Aliquot 30-50 µl of H_2O in wells of a microtiter dish cooresponding to the number of colonies to be screened
Or
Make a master plate. Pick colony w/pipette tip and make a small patch on new plate. Dip the tip into PCR tube.

Prepare PCR mixture (20 µl RXNs): for 10 RXNs

20 µl 10x Taq Buffer
20 µl 2 mM dNTPs
50-100 pm of each primer
2 µl of Taq (10U)
158 µl H_2O

Aliquot 20 µl of PCR mix into PCR tubes

Pick colony with pipette tip or toothpick.

Number the colony on the plate or make a master plate with all the isolated colonies.

Dip the pipette tip or tooth pick in microtiter dish well and transfer 1 µl to PCR tube.

Run Touchdown PCR program: 30 seconds elongation time for every 500 bp.

Run 8-10 µl out on a gel.