## E. coli Transformation in OT-2

## **Quick Overview**

Add DNA into competent cells in thermocycler.

Incubate the cells at 4 °C for 20 minutes.

Heat-shock the cells at 42 °C for 30 seconds.

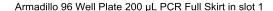
Incubate the cells at 4 °C for 2 minutes.

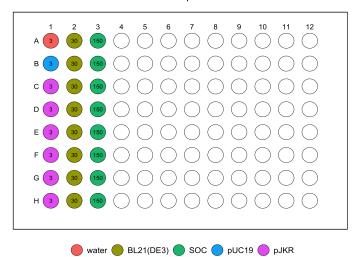
Add the recovery medium and incubate cells at 37 °C for 60 minutes.

## **Preparation**

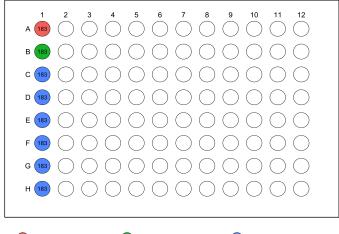
Prepare the reagents and labware according to the below diagrams.

Volumes (uL) indicate how much of reagents will be used, so add additional volume.





Armadillo 96 Well Plate 200 µL PCR Full Skirt in slot thermocycler



water/BL21(DE3)/SOC pUC19/BL21(DE3)/SOC pJKR/BL21(DE3)/SOC

## **Deck Loading Instructions**

Check that p20\_multi\_gen2 is in the right mount, and p300\_multi\_gen2 is in the left mount.

Slot 2, 3: load opentrons\_96\_tiprack\_20ul for the p20\_multi\_gen2 pipette.

Slot 6, 9: load opentrons\_96\_tiprack\_300ul for the p300\_multi\_gen2 pipette.

Slot 1 : load armadillo\_96\_wellplate\_200ul\_pcr\_full\_skirt containing DNA.

Slot 1 : load armadillo\_96\_wellplate\_200ul\_pcr\_full\_skirt containing cells.

Slot 1 : load armadillo\_96\_wellplate\_200ul\_pcr\_full\_skirt containing SOC.

Slot 7,8,10,11: load a thermocycler and turn it on.

Thermocycler: load armadillo\_96\_wellplate\_200ul\_pcr\_full\_skirt when instructed on the screen.