Lab 4: What a Colorful World (AmpR version)

## **Biological Materials:**

Strain 4-1 NB438 K type cells ER2738, cat#E4104S) Strain 4-2 NB452 B type cells NEBexp,cat# C2523I

Reagents:

## **Next steps (per student team):**

Day 1: patch one square of each strain on an LB plate

Day 2: run tx'n expt (need 6 LB+amp plates, 0.4 ml CaCl2, 3ml LB)

Day 3: data analysis

## **Teacher provides:**

<u>Consumables</u>
Sterile toothpicks, innoculating loops or sterile tips

<u>Equipment</u>

37° incubator for growing petri plates

Wooden dowels 42° heat block Eppendorf tubes (6) Icebucket, ice

LB (3ml) Timer

LB+amp petri dishes (6) Eppendorf rack

LB petri dish (1) Spreader + flame OR sterile glass beads

Pipet tips Sharpie pens

Latex or nitrile gloves Pipetmen (P1000, P200, P20)