

## **E. Coli Transformation**

Thaw DH5 $\alpha$  on ice for 15 minutes.

Aliquot 100  $\mu$ L of DH5 $\alpha$  into pre-chilled 1.5 mL microfuge tubes

Add 10 ng/ $\mu$ L plasmid to 100  $\mu$ L cells and mix (inverting)

Incubate DH5 $\alpha$  / plasmid mix on ice for 20 minutes

Heat shock at 42 C for 60 seconds

Add 1 ml SOC

Rescue at 37 C with shaking for 30 minutes

Plate 50  $\mu$ L and 100  $\mu$ L on LB/amp<sup>+</sup>

Grow overnight 12-16hrs