

Transformation of Competent DH5 α

1. Thaw tube of cells on ice for 5-10 minutes
2. Label eppendorfs for each transformation and place to ice to chill
3. Aliquot ~100 ul of cells into each eppendorf tube
4. Add DNA to be transformed
NOTE: If DNA to be transformed is a ligation in low melt agarose, heat ligation briefly to 65 °C and then place at room temp for 30 seconds and then add 5 ul of ligation reaction to cells.
5. Gently flick cells to mix
6. Ice tubes for 1 minute
7. Heat shock cells by placing tubes in 37 °C water bath for 1 minute
8. Return cells to ice and keep on ice for 1 minute
9. Put full reaction on plate and spread with sterile glass beads.
10. Invert plates and incubate at 37 °C.