

Transformation of DH5 α competent cells

This protocol is based on the protocol of the DH5 α competent cells, provided by New England BioLabs.

Materials

- SOC medium
- Antibiotics for selective media

Method

1. Take the cells out of the -80 freezer. Let it defrost slowly on ice.
2. Add 25 μ l of competent cells to 50 ng DNA. Or in case of a PCR product, add 5 μ l.
3. Put the tubes on ice for 30 minutes. Heat waterbath at 42 C.
4. Heat shock for 30 seconds at 42 C.
5. Put the tubes on ice for 5 minutes.
6. Add 500 μ l of room temperature SOC medium to each tube.
7. Incubate horizontally for 1 hour at 180 rpm and 37 C.
8. Plate on selective media.