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transformation of E.coli DH5α with plasmid DNA

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Protocol status: Working

We use this protocol and it's working

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Abstract

common transformation of E.coli DH5α with plasmid DNA



Materials

- LB-Medium 1 ml (without antibiotics)
- DH5a e.coli culture 50 µl
- plasmid DNA 1 µl
- plate with plasmid-specific antibiotics
- Thermoblock (42°C)
- ice bath



- 1 thaw competent cells on ice
- 2 add 1 μ l plasmid DNA to cells
- 3 incubate cells on ice 30m
- 4 heat shock cells at 42°C 1m
- 5 cool on ice 2m
- 6 add 700 μ l LB without antibiotics to the cells
- 7 incubate at 37°C (with shaking) 1h
- 8 plate 100 μ l on antibiotic plates with Drigalski spatula
- 9 incubate over night at 37°C