

Competent Cell Preparation (DH5 Alpha)

Experimental Aim: To prepare DH5a Competent cells

Observation: Turbidity in the cultures medium of 10 mL after 12 hours of incubation.

Absorbance was measured at 600 nm until 0.4 units was obtained by the culture .

Result : Aliquoted 50uL of competent cells into ~60 (0.65mL) tubes. Stored the tubes at -80 degree Celsius.

Transformation of DH5-Alpha

Experimental Aim :

To check competency of the freshly prepared competent cells by transforming it with pET28a.

Method: The transformation was performed following the standard transformation protocol with appropriate controls.

Observations:

Colonies were observed on the plate with competent cells hosting our plasmid.

Growth (contamination) in the control plate (comp cells without pET28a) was also observed.

Conclusion:

Competent cells were not properly made. There might be contamination.

The water added to the control might be contaminated.