

Growth curve determination

Escherichia coli DH5 α Growth Curve

Materials:

- Viable *E. coli* DH5 α
- Liquid medium LB
- Chamber at 37°C
- Flask of 125 mL
- Biotek Synergy HTX Multi-mode microplate reader
- Centrifuge

Procedure:

Day 1. Pre culture.

1. From a relative fresh plate of *E. coli*, pick a colony and grow O/N at 37 °C in a falcon with 25 mL of LB medium and incubate in a shaker.

Day 2. Curve elaboration.

1. Centrifuge at 5000 rpm for 10 minutes and resuspended the pellet with LB medium, to a final OD of 0.01.
2. Incubate for 8 h at 37 °C, at slow rpm (120).
3. Take samples every hour.
4. Measure at a wavelength of 600 nm in the Biotek Synergy HTX Multi-mode microplate reader for the OD.