

Growth Rate

Project: Sequencing

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Aim

To investigate the growth of E.coli in sugarcane juice.

Materials required

- Microtips and Micropipettes
- 2 conical flasks
- Beaker
- Falcon Tubes
- LB media
- Quvettes

Procedure

- Dilute the procured sugarcane juice with water using the ratio 1:3.
- Centrifuge at 4°C to separate the heavy fibre debris/ other heavy precipitates.
- Filter the supernatant through a 40 nm microfilter.
- Prepare the final culture flask with 100 ml culture with the processed sugarcane juice.
- Keep 10 ml culture reserved as blank.
- Inoculate the flask with BL21 E. coli and incubate for 12 hours.
- Every 2 hours after incubation take 1 ml of culture and check absorbance at 600 OD against the blank
- Plot graph according to absorbance.