

Measurement of PHB production: Nile Red

1. Preparation of LB agar medium plate containing Nile Red and glucose.

1.1 Autoclave a LB agar (final 40g/L) solution at 120 °C.

1.2 After the autoclave, add Chloramphenicol (final 25ug/mL), Nile Red and glucose (final 20g/L) to the LB agar solution when it cools down.

1.3 Make LB agar medium plates with the mixture.

2. Inoculate the bacteria onto the plate, incubate the plate at 37 °C for 36 hours then cells the plate into 4 °C room for 2-3 days.

3. Inspect the plate under UV light.