

HSL induction test LB M9 TEST 21/08/09

Description: Induction test of T9002 with different concentrations of 3OC6-HSL

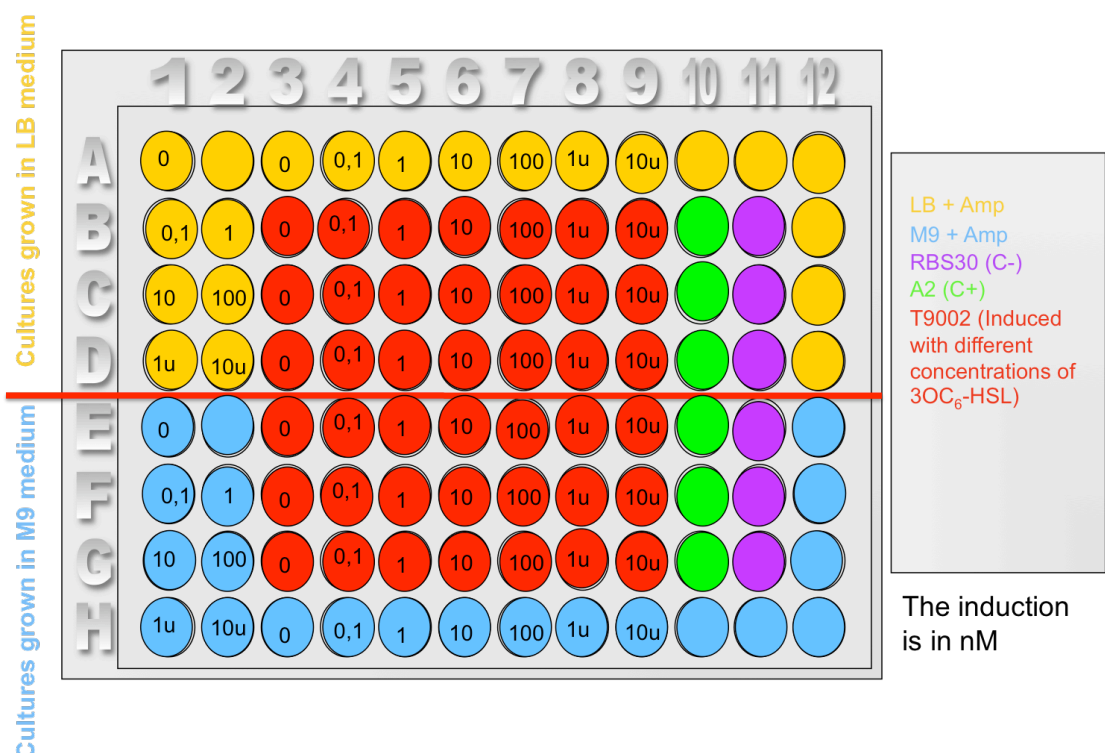
Purpose: Build the induction curve of T9002 both in LB medium and M9 medium, to test different auto-fluorescence of mediums. Positive control: A2 , negative control: RBS30.

Methods: A flat-bottom non sterile plate is used. 96 wells are filled with:

- 200 ul LB+Amp,
- 200 ul M9+Amp
- 200 ul bacterial cultures incubated overnight in LB+Amp 37°C 220 rpm and then diluted 1:1000 both in LB+Amp and M9+Amp and incubated for further 5 hours.

We want to start from a normalized OD of 0.03 and arrive to 0.17 . So a measure has been performed to learn how to dilute cultures to start from the desired OD, using phormula:

Quantity to keep=(OD wanted/OD measured)*Desired final volume.



Protocol:

The experiment is repeated two times, first at 37°C and then to 30°C to check different induction curves.