

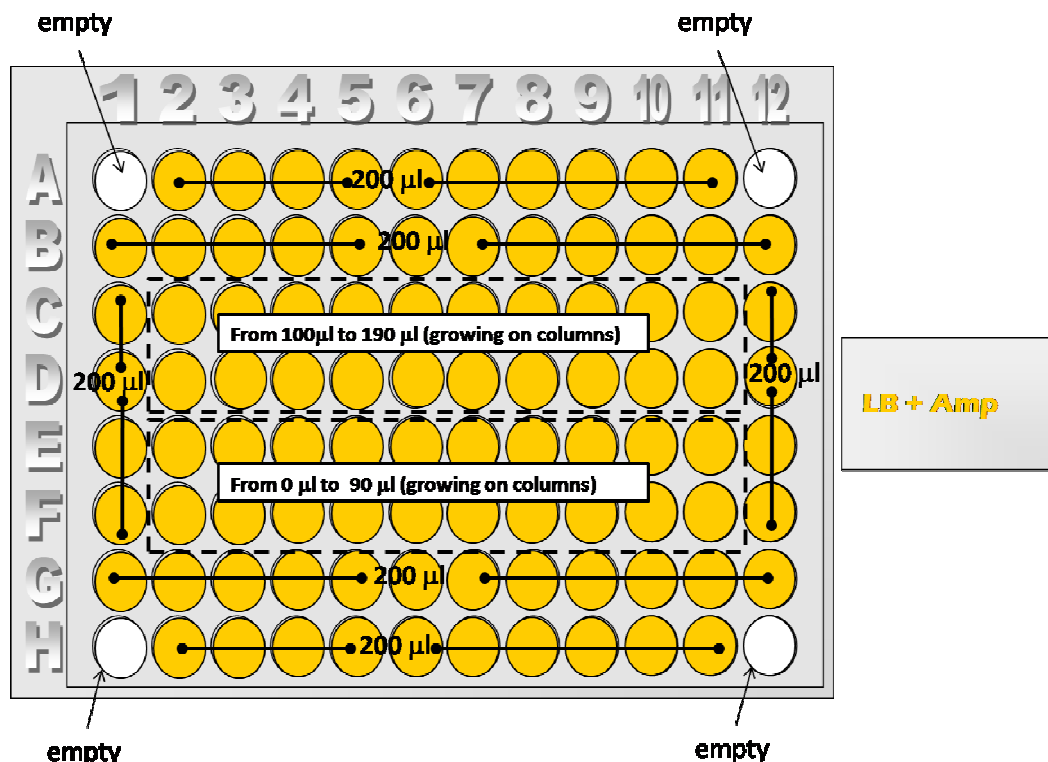
Test 14

Description: LB fluorescence in different volumes and in different condition of incubation.

Purpose: Study the relationship between measurements (ASB, GFP and RFP) and volumes in the well. Find out how the LB fluorescence changes in the wells, during long experiments, at different temperatures (before at ambient temperature and the at 37°C).

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

- From 0 to 200 μ l LB+Amp.



Protocol:

- The plate is filled as described in Methods
- The instrument temperature is set before at 18°C then at 37°C
- Two cycles with the same dynamic
- Dynamic cycle for 4 hours at 18°C
 - Shaking 60 s linear 3mm, waiting 10 s and absorbance and GFP/RFP measurement.
 - Waiting 7 min, shaking 15 s linear 3mm, waiting 10s, before the next reading.
 - Fluorescence gain setting: 50 to avoid overflow
- Dynamic cycle for 12 hours at 37°C
 - Shaking 60 s linear 3mm, waiting 10 s and absorbance and GFP/RFP measurement.
 - Waiting 7 min, shaking 15 s linear 3mm, waiting 10s, before the next reading.
 - Fluorescence gain setting: 50 to avoid overflow