

Test 19

Description: Measurement and dilution in growing medium, different final volumes in the wells.

Purpose: find out the relationship between measurements (ASB, GFP and RFP) and dilution of the culture in the well, and between measurements' behaviours working with different final volumes in the well.

Methods: A flat-bottom non sterile plate is used.

Wells are filled with growing volumes of culture containing the construct A1 (J23100+E0240) – from 0 μ l to 300 μ l, with steps of 10 μ l.

Volumes in wells are equalized by adding growing volumes of LB+Amp till a final volume of 100 μ l, 200 μ l and 300 μ l.

See the file Piastra20.xls for more details.

Growing protocol: cultures were incubated in 5ml LB+Amp 37°C 220 rpm overnight and then diluted 1:1000. After dilution, falcons were incubated 37°C 220 rpm for about 4 hours.

Protocol:

- The plate is filled as described in Methods
- Static measurement of ASB, RFP and GFP