

Test 20_piastra_nera

Description: Measurement and dilution in growing medium with low autofluorescence, 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 **black** 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 25 μ l.

Volumes in wells are equalized by adding growing volumes of M9 till a final volume of 100 μ l, 200 μ l and 300 (dispensation effectuated by the instrument injector).

See the file Piastra20_black.xls for more details.

Growing protocol: cultures were incubated in 5ml M9 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