

Test 3

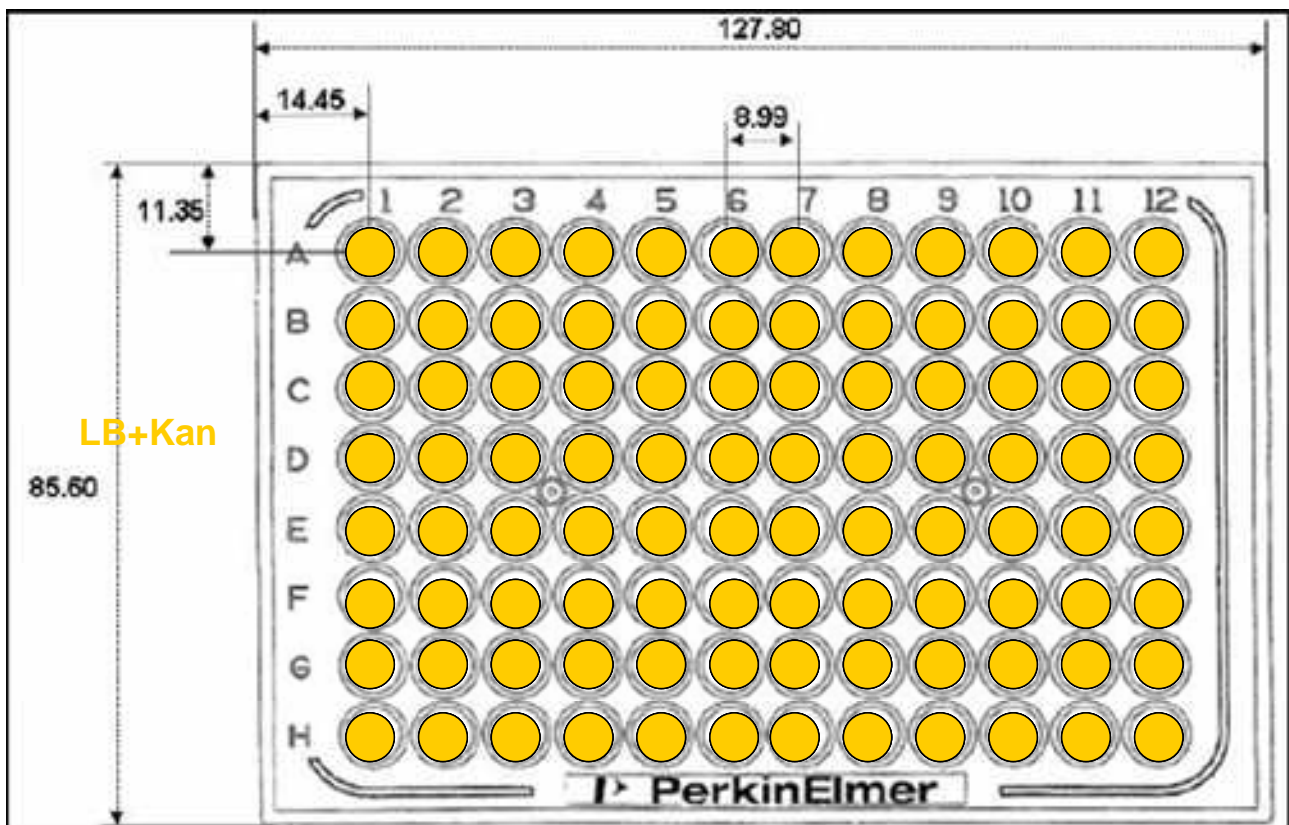
Description: Estimation of the evaporation in the plate when dispensing ddH₂O in 24h.

Purpose: evaluation of the homogeneity of the temperature inside the instrument, find an efficient protocol of dispensation

Methods A flat-bottom non sterile plate is used. All 96 wells are filled with 200 µl LB+Kan

Protocol:

- The plate is filled as described in Methods
- The instrument temperature was set at 37°C
- Experiment duration: 24h
- Dispensations: 20µl ddH₂O every 2h
- Shaking 15s linear 3mm after every dispensation.



Notes:

After the 4th dispensation (80µl ddH₂O dispensed in total) the plate was taken out of the reader and the final volumes in 4 wells were measured:

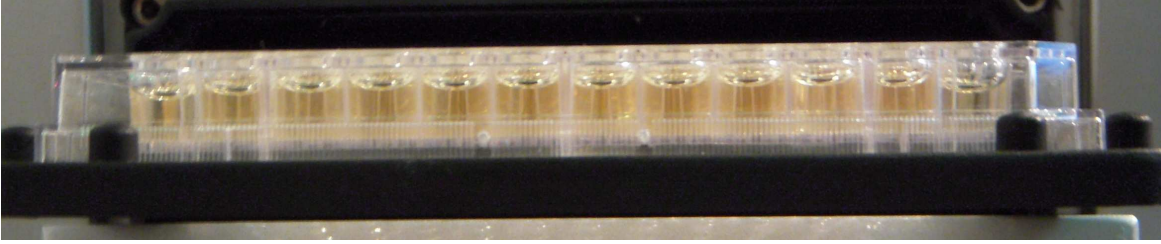
C7: 254 µl

E12: 255 µl

F10: 255 µl

D1: 275 µl

A visual analysis of the plate volume's profile was done, and a disomogeneity was noted.



A new dispensing protocol was chosen:

- 10 μl every 6 h

The first dispensation was done at 8.30pm, so the other will be at 2.30am and 8.30am.

The final total volume dispensed will be 80 μl + 30 μl : 110 μl .