Fluorescence cells 07/04/25

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Tags: fluorescence NADH FAD cells
Category: Optique
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Goal :

Measure fluorescence in cells lines

Procedure :

Mesure fluorescence with cells at different densities. Measure also PBS fluorescence intensity.

Measurement in a glass vial to remove fluorescence coming from plastic falcon tube.

measurement 000 : P 375 = 0.74, P405 = 1.48 mW

001 : higher power : P 375 = 5.37, P405 = 15.97 mW

002: middle power : P 375 = 2.26, P405 = 7.52 mW

003: middle power : P 375 = 2.26, P405 = mW

Samples and names of acquisition :

PBS_1mL: 1 mL of PBS in the falcon tube.

PBS_2mL: 2 mL of PBS in the falcon tube.

PBS_3mL: 3 mL of PBS in the falcon tube.

PBS_3mL_2: 3 mL of PBS in the falcon tube. We did the measurement again as we had a hugh PpIX peak in the first PBS vial. Probably coming from some bile that was left on the probe after one of my measurement on pig. We washed the probe with ethanol and did the measuremnt on the new sample and this peak was removed fortunatelly.

A673_3mL : 1.5*10^6 cells in 3 mL : 0.5*10^6 cells/mL

A673_highD_3mL: 4.5 * 10 ^6 in 4 mL 1.125 * 10^6 cells/mL

RSP7_2mL : 5*10^5 cells in 2 mL : 0.25 * 10^6 cells/mL

RSP7_3mL : 1.5*10^6 cells in 3 mL : 0.5 * 10^6 cells/mL

Measurement of A673 cells was performed at a "height" of 3 mL for both volumes. RSP7 was at a highet of 2 mL for both volumes.

Results :

Unique eLabID: 20250407-d9244b170051f1b171a40fb04e4a0777e55d8404
Link: https://datacc.elab.one/experiments.php?mode=view&id=4188