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Protocol status: Working
 We use this protocol in our group for the interlab challenge and it is working

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🌐 iGEM 2018 Interlab Study Protocol: Calibration 1

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ABSTRACT

This year's interlab study allows participants to fulfil Bronze medal requirements. For this purposes a set of experiments has to be performed, which in the end will be compared and validated with other team's data. Part of this Challenge are the Calibration protocols.

GUIDELINES

Make sure to always use the same plates, volumes and settings for the measurement as will be used for the other calibrations and the cell measurements. Also take care to remain constant with your pipetting techniques.

MATERIALS

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⊗ ddH2O Contributed by users

⊗ 1ml LUDOX CL-X Contributed by users

⊗ 96 well plate (black, flat bottom preferred) Contributed by users

BEFORE START INSTRUCTIONS

Make sure to adjust the temperature of your plate reader to room temperature (22°C-25°C) before measurement.

LUDOX CL-X

- 1 Add 100µl LUDOX solution into wells A1,B1, C1 and D1 of a 96 well plate.

ddH2O

- 2 Add 100µl ddH2O into wells A2,B2,C2 and D2 of a 96 well plate.

Measurement

- 3 Measure absorbance at 600nm of all samples. Make sure to use the same measurement modes that will be used for the cell measurements.

Data transfer

- 4 Import your data into the Excel sheet provided by iGEM (OD600 reference point tab)