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 protcols.

Citation: Ylenia Longo iGEM 2018 Interlab Study Protocol: Calibration 1. **protocols.io**
dx.doi.org/10.17504/protocols.io.qncdvaw
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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.

Before start

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

Materials

- ddH20 by Contributed by users
- 1ml LUDOX CL-X by Contributed by users
- 96 well plate (black, flat bottom preferred) by Contributed by users

Protocol

LUDOX CL-X

Step 1.

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

ddH20

Step 2.
Add 100µl ddH20 into wells A2,B2,C2 and D2 of a 96 well plate.

Measurement

Step 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

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