Technische Universiteit
Eindhoven
University of Technology

iGEM TU/e 2015
Biomedical Engineering

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NanoDrop

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NanoDrop

1 NanoDrop

Estimated bench time: -
Estimated total time: 5 minutes start-up, 2 minutes per sample
Purpose: Determine the concentration of DNA samples.

You are working with DNA, so it is essential to work with gloves at all times to protect your plasmids from DNase activity.

1.1 Materials

- Autoclaved dH_2O
- dH_20
- DNA samples
- Fiber-free tissues
- NanoDrop spectrophotometer
- Pipettes and tips

1.2 Setup & Protocol

- Start the NanoDrop spectrophotometer.
- Select the DNA measurement ‘Nucleic Acid’ in the NanoDrop menu.
- Clean the surface of the NanoDrop with dH_2O and a fiber free-tissue.
- Preform a calibration and blank measurement by entering one drop of 2 µl autoclaved dH_2O.
- Clean the surface again and place 2 µl per sample on the NanoDrop and measure the concentration. Write down the concentration (possibly on cryo-babies to stick on the Eppendorf tube containing your DNA sample).