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DNA Quantification -- CHEM 584

Forked from DNA Concentration Measurement (Protocol for Thermo Scientific NanoDrop™ 1000 Spectrophotometer)

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Protocol status: In development
We are still developing and optimizing this protocol

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Abstract

Protocol adapted from the NanoDrop Spectrophotometer User's Manual.

Materials

TE Buffer or MQ Water
DNA Sample

1 Start a new experiment using the Nanodrop touchscreen.

2 Click on the corresponding application module (e.g., dsDNA).

3 Open the sampling arm and load a blank sample (e.g., TE Buffer, MQ Water, etc.).
2 µL

4 Close the sampling arm on the machine to cover the blank sample.

5 Click "OK" to read the blank if the Nanodrop is not already in automatic mode.

6 Open the sampling arm and clean the blank off the upper and lower pedestals using a Kim Wipe.

7 Load your DNA sample and close the sampling arm.
2 µL

8 Click "Measure sample" if the Nanodrop is not in automatic mode.

9 Take a picture of the screen that shows your results and the corresponding spectra for your records.

10 Clean the nucleic acid sample off of the upper and lower pedestals using a Kim Wipe.

11 Repeat for all samples.

12 Close program.