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

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DNA Quantification -- CHEM 584

Forked from [DNA Concentration Measurement \(Protocol for Thermo Scientific NanoDrop™ 1000 Spectrophotometer\)](#)

Alba Balletbó¹, Ken Christensen²

¹Wageningen University; ²Brigham Young University

Ken Christensen
Brigham Young University

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.).

- 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.

- 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.

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

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11 Repeat for all samples.

12 Close program.