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

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ABSTRACT

Protocol adapted from the NanoDrop 1000 Spectrophotometer V3.8 User’s Manual.

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PROTOCOL CITATION


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MATERIALS TEXT

TE Buffer or MQ Water

DNA Sample

1 Open the ND-1000 V3.8.1 Program using the computer (the computer should be connected to the Nanodrop apparatus).

2 Click on the corresponding application module (e.g., Nucleic acid to determine the concentration and purity of nucleic acid).

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

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

5. Click "OK" to read the blank.

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

7. Load your DNA or RNA sample and close the sampling arm.

8. Select the sample type in the program (e.g., DNA or RNA).

9. Click 'Measure'.


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

12. Repeat for all samples.

13. Close program.