Nanodrop Spectrophotometer (ND-1000) for Nucleic Acid

Steven Wilhelm

Abstract

Please contact Dr. Steven Wilhelm (wilhelm@utk.edu) for additional information regarding this protocol.

Adapted from Nanodrop ND-1000 User Manual

Citation: Steven Wilhelm Nanodrop Spectrophotometer (ND-1000) for Nucleic Acid. **protocols.io** dx.doi.org/10.17504/protocols.io.id2ca8e
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Protocol

Step 1.

Open ND-1000 V3.8.1 program using the computer connected to the Nanodrop

Step 2.

Once the program is opened, click on the corresponding application module (e.g., Nucleic acid to determine the concentration and purity of nucleic acid)

NOTES
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Step 3.

Open the sampling arm and load a blank sample (e.g., buffer or RNase free H_2O)

AMOUNT
2 µl Additional info:

NOTES
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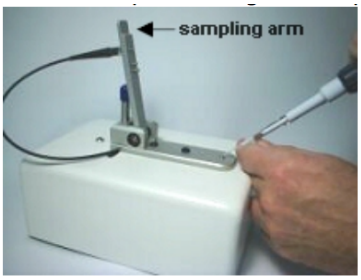

Step 4.

Close the arm on the machine to cover the blank sample

NOTES
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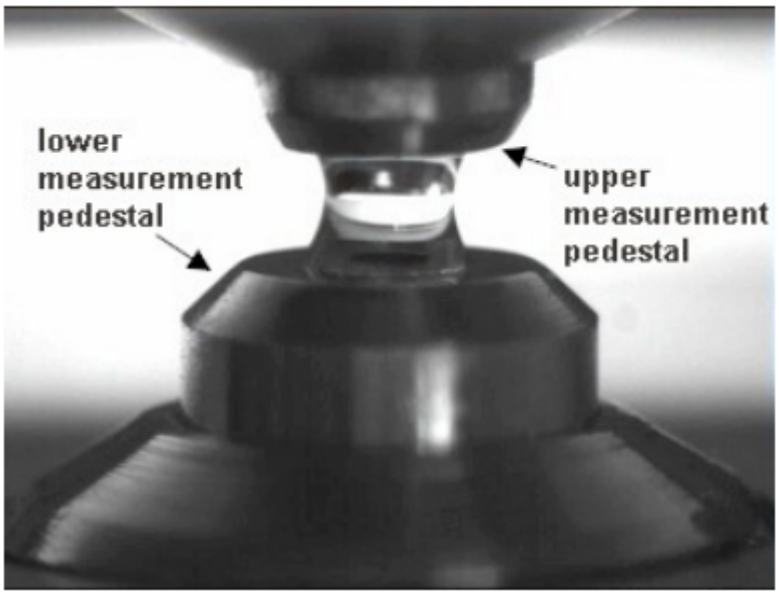

Step 5.

Press "OK" to read the blank

Step 6.

When the machine is finished, open the sampling arm and clean the blank off the the upper and lower pedestals with a Kimwipe

Step 7.

Load your DNA or RNA sample and close the arm

AMOUNT
2 µl Additional info:

Step 8.

Click on the sample type in the upper right-hand corner of the program (e.g., DNA or RNA)

Step 9.

Click "Measure" in the upper left hand corner of the program

Step 10.

Once the machine is finished reading the sample, read the 260/280, 260/230 and concentration (ng/µL) measurements.

NOTES
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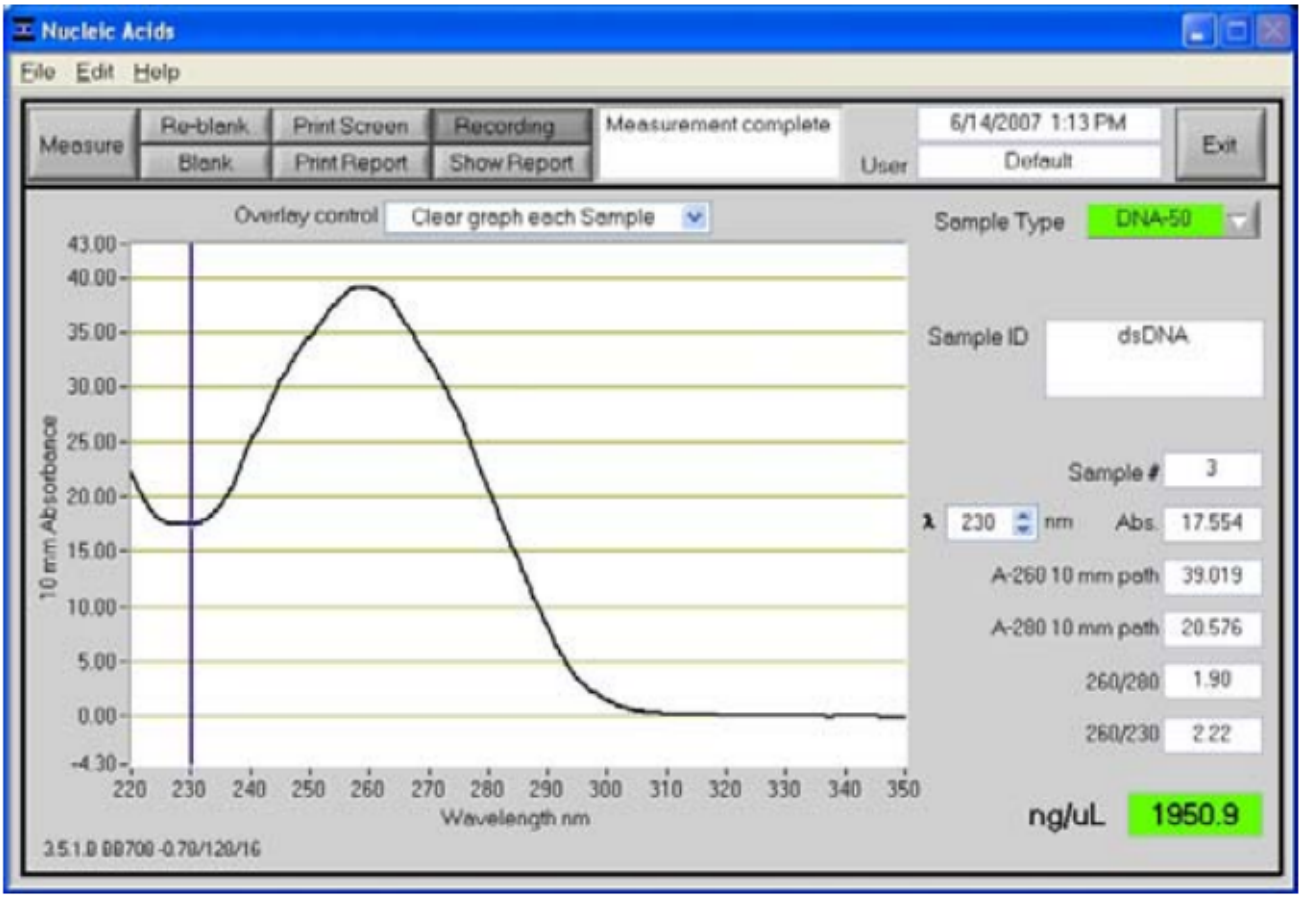

Step 11.

Clean the nucleic acid sample off of the upper and lower pedestals with a Kimwipe

Step 12.

Close the program