

Yonsei Environmental Bio-Technology Laboratory

Measuring Nucleic Acid using Nanodrop

<ul style="list-style-type: none"> - Wear gloves throughout. - Always be careful not to give any damages on pedestals. - Keep the samples you measure in ice-box. - Click "SHOW REPORT" to see your measurements. - All measurements are automatically saved in the following path: C:\Nanodrop Data\Default. 	Writer	Jaejin Lee
	Date	2008-02-01
	Editor	-
	Last Update	2008-02-01

1. Ensure the pedestals, top and bottom, are clean. Pat clean with sterile water and Kimwipe.
2. Open ND-1000 program by clicking on the icon.
3. Select the assay (ex. Nucleic Acid, for DNA and RNA quantification)
4. When you can see "Ensure sample pedestals are clean and then load a water sample" message on screen, load 2 μ l of sterile water to the bottom pedestal, close the hinge very gently over the sample and click "OK" to initialize.
5. Open the hinge, pat the pedestals dry with a Kimwipe.
6. Place 2 μ l of the black solution (whatever the sample is in: sterile water or the final solution of DNA extraction kit) on the pedestal, close, and click "BLANK".
7. Open, and pat dry with a Kimwipe.
8. Place 2 μ l of sample on the pedestal, close, and click "MEASURE".
9. Write down the numbers you need. (ex. Amount of Nucleic Acid, 260/280 ratio, or 260/230 ratio)
10. Open, and pat dry with a Kimwipe.
11. Repeat Step 8 to 10 as much sample as you need to measure.
12. When finished, EXIT the program.
13. Clean the pedestals both top and bottom with a bit of sterile water, pat dry and close the hinge gently.