RCPN

Standard operating procedure of Nanodrop

Objective: This instruction explains how use and keep the Nanodrop.
Scope: using for documenting the concentration of nucleic acids or proteins.
Responsibility: Laboratory assistance is responsible for the accuracy of the apparatus and should be reported to him/her in case of problems.
Materials and equipment: ---
Guidelines for use:
1- Turn on the Nanodrop and its computer.
2- Run the ND-1000 software on the desktop.
3- Based on your sample type, select Nucleic acid or protein options.
4- Wash the sensor of the apparatus with 2 µL deionized water (DW) and whatman filter paper.
5- Again, add 2 µL deionized water on the center of sensor, lower down the arm of Nanodrop and press the “blank” key in the software.
6- Again remove the DW and add 2 µL of your source solution that used for extraction procedure on the sensor and press the Blank key.
7- After removing the source solution, add 2 µL of your sample and lower down the arm and press the “Measure” key.
8- Document the results and after washing the sensor with DW, exit from the software and turn off the apparatus.
Warning and safety precautions:
If any abnormal sound or vibrate are felt, press the “Stop” bottom immediately.
Maintenance:
The door of the apparatus should be always closed.

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