

Instructions for NanoDrop One

To measure **Nucleic Acid Concentration**,

1. Place usb drive in usb port to save data
2. Select the Nucleic Acids tab if not already selected
3. Select 'dsDNA', 'ssDNA' or 'RNA'
4. Clean the upper and lower pedestals with a wipe
5. Pipette 1–2 μ L blanking solution, lower arm (the unit will automatically blank)
6. Lift the arm and clean both pedestals with a wipe
7. Pipette 1-2 μ L sample onto the pedestal and lower the arm
8. Press 'measure'
1. Individual measurements will display in upper right corner Individual measurements will display in upper right corner (an example screen with explanations is shown on p. 2
9. Continue with steps 5-7 until all samples are complete
10. Swipe left on screen to display a list of all sample measurements
11. Press 'end experiment'
12. Save data to usb
13. Clean pedestal
14. Touch screen to bring it back to the home screen

To measure **Microarray Samples**,

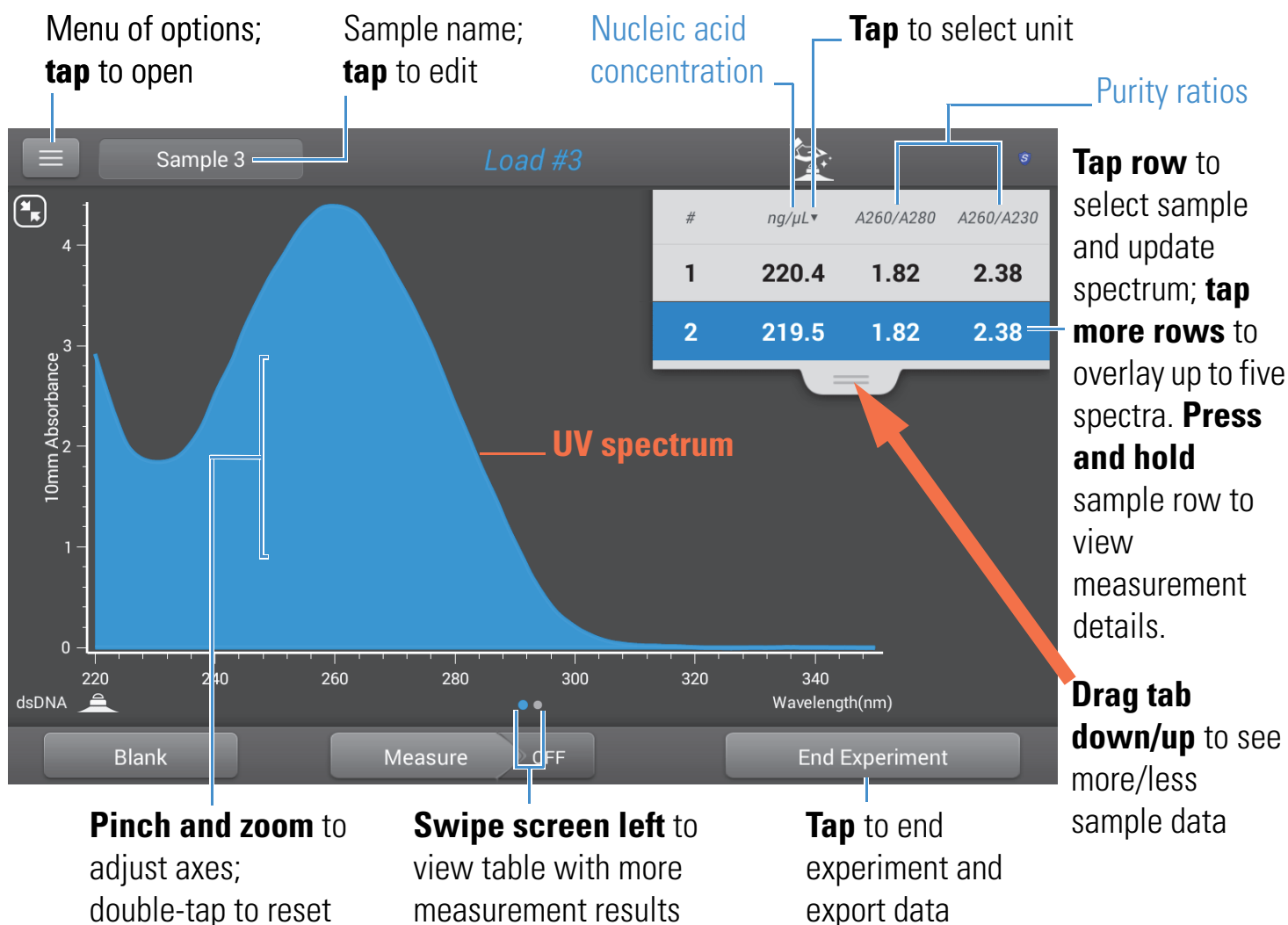
1. Place usb drive in usb port to save data
2. Select the Nucleic Acids tab if it is not already selected
3. Select 'Microarray'
4. Select sample type (ssDNA, factor: 33), dye (dye 1: cy3, dye 2: cy5), and make sure analysis correction is selected (340 nm)
5. Press 'Done'
6. Clean the upper and lower pedestals with a wipe (do not use a squirt bottle)
7. Pipette 1–2 μ L blanking solution, lower arm, press 'blank'
8. Lift the arm and clean both pedestals with a wipe
9. Pipette 1-2 μ L sample onto the pedestal and lower the arm
10. Press 'measure'
11. Individual measurements will display in upper right corner (an example screen with explanations is shown on p. 3)
12. Continue with steps 5-7 until all samples are complete
13. Swipe left on screen to display a list of all sample measurements
14. Press 'end experiment'
15. Save data to usb
16. Clean pedestal
17. Touch screen to bring it back to the home screen

The complete user's manual is located in the NanoDrop drawer

Nucleic Acid Reported Results

dsDNA measurement screen

For each measured sample, the dsDNA, ssDNA and RNA applications show the UV absorbance spectrum and a summary of the results. Here is an example:

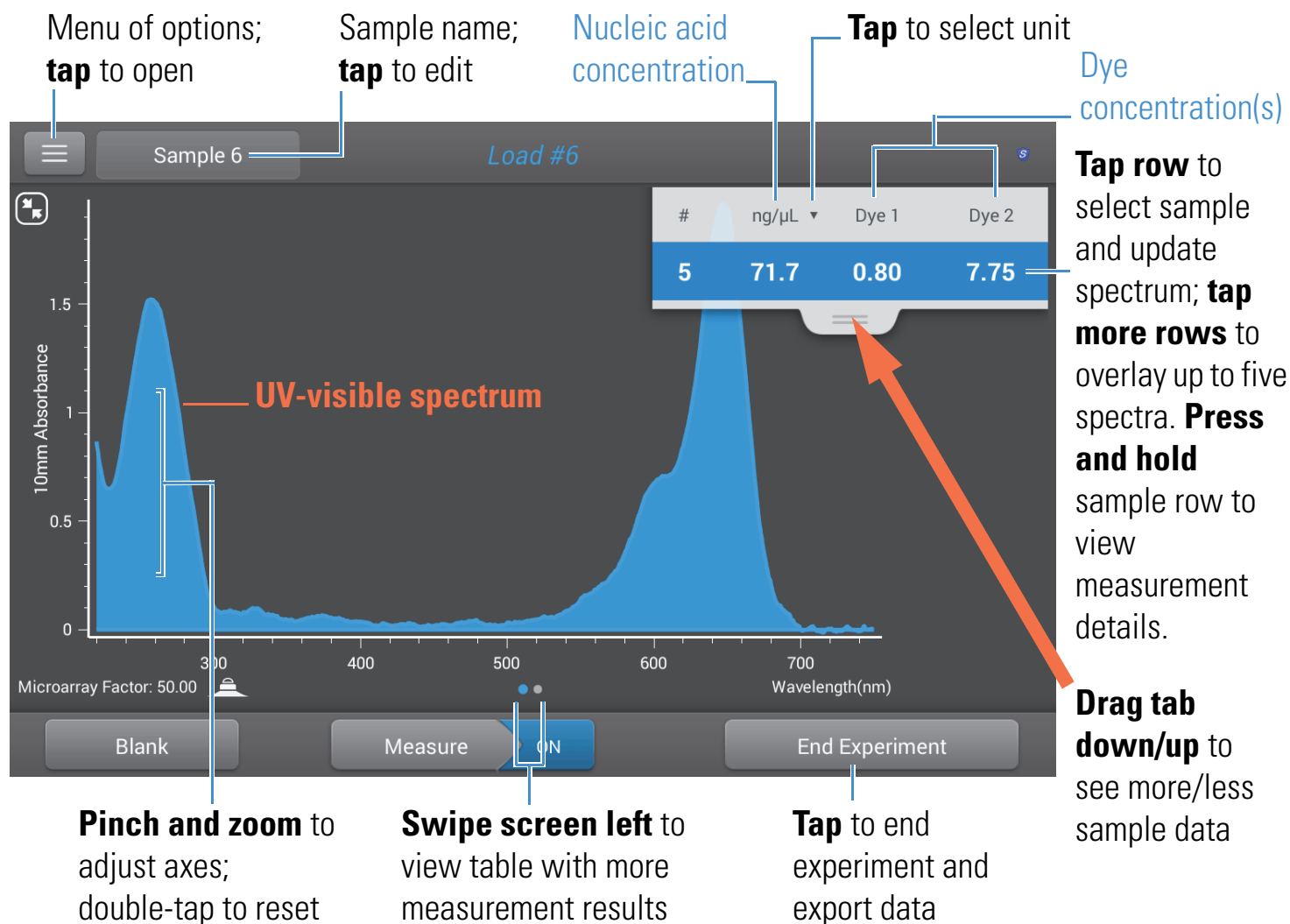


Note Micro-volume absorbance measurements and measurements taken with nonstandard cuvettes are normalized to a 10.0 mm pathlength equivalent.

Microarray Reported Results

Microarray measurement screen

For each measured sample, this application shows the absorbance spectrum and a summary of the results. Here is an example:



Note

- A baseline correction is performed at 750 nm (absorbance value at 750 nm is subtracted from absorbance values at all wavelengths in sample spectrum).
- Micro-volume absorbance measurements and measurements taken with nonstandard cuvettes are normalized to a 10.0 mm pathlength equivalent.