

SimpliNano™

Quick Start Guide

Product Numbers: 29061711, 29061712



This guide provides a summary of the procedure for using the SimpliNano spectrophotometer from GE Healthcare Life Sciences. It is meant to be used only after a User has been fully trained according to the system's User Manual and the work site procedures. This guide assumes that the User is fully aware of the health and safety issues associated with this system and its components as described in the system's Health and Safety Manual and User Manual.

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SimpliNano - measuring Nucleic Acids and Proteins

SimpliNano can be used to measure the following approximate concentrations and volumes :

DNA ~5-2500 ng/μl
Protein ~ 0.2 – 50 mg/ml
Volumes between 1-5 μl

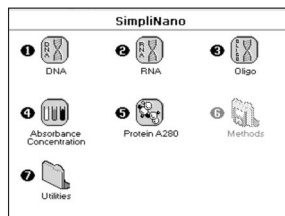
1. Power up the instrument



2. Select application mode

Select Application mode of choice:

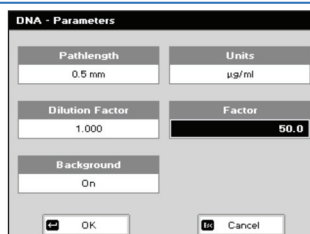
Press **1** for DNA
Press **2** for RNA
Press **3** for Oligonucleotide
Press **5** for Protein



3. Review default settings for method

The default settings are recommended for routine measurements.

For example, the DNA parameters screen will allow a dilution factor to be entered for automatic calculations, the concentration factor and units can be changed and the background subtraction may be turned off.



4. Take Reference sample

Pipette 2 μL of reference solution (for example: water or TE buffer) into the indicated sampling port.

Press the button to read.

When measurement is complete clean the sample port with a lint-free tissue.

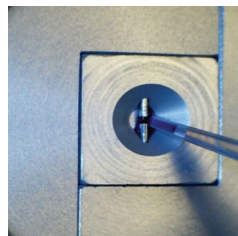
Once reference information is stored, multiple samples can be measured.

5. Measure sample

Pipette 2 μL of sample into the indicated sampling port.

Press to read.

When measurement is complete clean the sample port with a lint-free tissue.

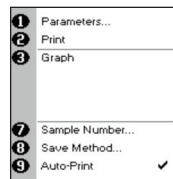


6. Results

The results will be displayed on the screen, as shown for DNA.

If you have the optional printer attachment, press to display available Options and press "2" to Print.

DNA	
A230	0.089 A
A260	0.258 A
A280	0.167 A
Concentration	
A260/A280	1.54
A260/A230	2.90
Units	
μg/ml	



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