

Introduction

The DeNovix DS-11 Spectrophotometer is a compact, stand-alone instrument with intuitive, easy-to-use icon driven software. Pre-configured separate applications for each of the most commonly measured biomolecule types ensures that methods are optimized and simple to use.

This technical note will highlight some of the key features of the DS-11 software apps.

Android OS

The Android operating system is today's most widely used platform for mobile devices including smartphones and tablets. The direct swiping, tapping, pinching and reverse pinching manipulations provides an immediate and fluid user interface.

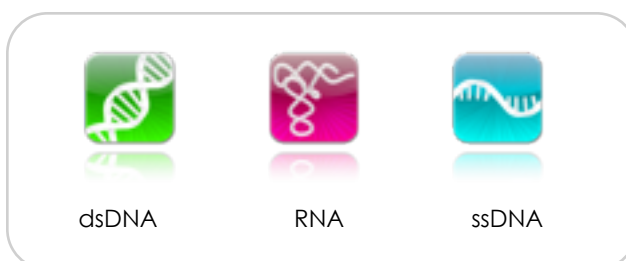
The DeNovix DS-11 interface uses a customized Android OS which takes advantage of many of the touchscreen navigation features already familiar to many of today's researchers. In addition, the software uses standard Android icons such as the ones shown in the table below to eliminate the need for learning something unique to a new device.

Table 1: Standard Android Icons

Icon	Type	Icon	Type
	Edit		Select All
	Add		Help
	Delete		Overflow

Nucleic Acids

To streamline the busy lab's workflow- the three most common nucleic acid types (dsDNA, RNA and ssDNA) are measured launching distinct apps on the Home screen.

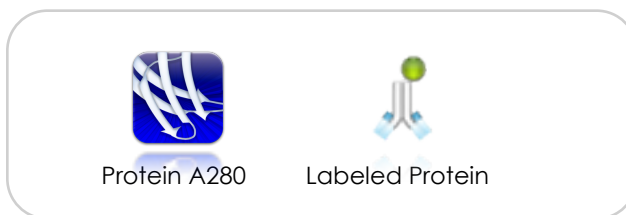


This ensures each application is optimized for quick measurements. Sample type selections are automatic- saving both time and reducing errors associated with using an incorrect factor for concentration calculations.

Proteins

A280 and Labeled Protein

The DS-11 Protein A280 app includes an easy feature to save and recall new protein types. This convenience combined with the instrument's ultra short pathlength capabilities make the DS-11 the microvolume spectrophotometer of choice for protein and antibody research labs.



Analyzing ultra high concentration proteins with absorbance values of 500A (1 cm equivalent) are now possible using the DS-11 microvolume 0.030 mm pathlength.