DeNovix® DS-11 Series

3 YEAR WARRANTY
DeNovix Guarantee

The World's Most Sensitive Microvolume Spectrophotometer

- Full Spectrum UV-Vis
- Integrated Fluorescence
- Powerful Sample QC
- Flexible Export, Wi-Fi, Email, Ethernet, USB

SCIENTISTS' CHOICE AWARDS 17 WINNER

SCIENTISTS' CHOICE AWARDS 18 WINNER

SelectScience 2018 PLATINUM Seal of Quality

Patent US9442009

Awarded 2017 and 2018 Reviewers' Choice Product of the Year and Platinum Seal of Quality 2018

Recommended by Scientists Worldwide

MADE IN U. S. A.

Biocompare The Buyer's Guide for Life Scientists ★★★★★

SelectScience® Independent Product Reviews ★★★★★

TheScientist TOP 10 INNOVATIONS

DeNovix DS-11 Series: Confident Quantification

2017 and 2018 Reviewers' Choice Life Science Product of the Year

Since 2013 DeNovix has shipped thousands of DS-11 Series Spectrophotometers which have been recognized as the top rated life science instrument by scientists worldwide. We deliver innovative, easy-to-use, highly precise instruments with customer service that is second-to-none. Our experienced team and technical advisory board includes scientists, engineers and founding members of NanoDrop Technologies, Inc. We stand behind our USA-made products with an industry leading three-year factory warranty on all DS-11 Series instruments. Search for DeNovix on SelectScience.net to read hundreds of independent product reviews.

Microvolume Absorbance

0.5 to 1µL
Full spectrum UV-Vis
0.75 – 37500 ng/µL dsDNA

Cuvette Absorbance

Full spectrum UV-Vis
Standard quartz and disposable cuvettes
0.04 – 750 ng/µL dsDNA

Flexible Export

- Email
- Network and label printers
- USB
- Network Drives

Color Options

Fluorescence

0.5 mL thin-wall PCR tubes
Four channels for superior flexibility
0.0005 - 4000 ng/µL dsDNA

Network Connectivity

Wi-Fi & Ethernet
Safe and easy networking

Powerful Data Handling

Automatically store results
Search, report and graph saved data

Sample Contamination Alerts

SmartQC™ monitors samples and reports contamination

Multiple Models, Unmatched Sensitivity and Widest Dynamic Range

DeNovix offers a choice of models to meet your current and future research needs. Simply select the integrated instrument that includes your desired combination of microvolume absorbance, cuvette absorbance and fluorescence. The DS-11 Series delivers best-in-class detection limits and dynamic range saving analysis time and bench space with instruments that fit your applications.

	DS-11 FX+	DS-11 FX	DS-11 +	DS-11	DS-C	QFX
Microvolume	●	●	●	●		
Cuvette	●		●		●	
Fluorescence	●	●	◌	◌	◌	●

◌ *Optional USB Fluorometer Module*

Integrated UV-Vis and Fluorescence Modes

Microvolume - Rapid 1uL UV-Vis Measurements

DeNovix Spectrophotometers quantify nucleic acids and protein using only 0.5 – 1.0 µL of sample. Just pipette and measure - no dilutions necessary. Instant on-screen results include concentration, a full spectrum output, purity ratios and SmartQC™ contamination alerts. DeNovix SmartPath® Technology ensures instruments are calibrated for life with no drift or service downtime. Bridge Testing® eliminates broken samples columns and ensures exceptional results, even for 1 µL protein samples.

Cuvette - Improved Detection Limits and Functionality

Use standard quartz or disposable cuvettes for up to 10 mm pathlength absorbance measurements (190-840 nm). Cuvette applications include nucleic acids, proteins, colorimetric assays, OD600 and custom standard curves. Systems include a cuvette block heater for Kinetics studies from 37-45°C.

Fluorometer – Sensitive, Specific Quantitation

The lower detection limit of dsDNA and other biomolecules may be improved 1000x when using fluorescent techniques. Specialized assay chemistries enable highly sensitive and molecule specific quantification, e.g. measuring only dsDNA in samples containing RNA and other contaminants. DeNovix fluorometers can be used with most commonly available fluorescence kits including DeNovix dsDNA Fluorescence Assays and Qubit® Assays.

Scientist Recommended

"The machine is excellent. I strongly recommend it to others."
Rating: 5.0 ★★★★★

"I love it, because of the accuracy and convenience."
Rating: 5.0 ★★★★★

"Best machine in my lab."
Rating: 5.0 ★★★★★

SelectScience®
Independent Product Reviews

Try in Your Lab!
Free Trial Program

Software by Life Scientists, for Life Scientists

Built-in EasyApps® and our breakthrough Android™ operating system make DeNovix instruments easy to learn and quick to use. Our software is ready to use right out of the box. No PC set-up or software installation is required.

Nucleic Acid Quantification
dsDNA, RNA, ssDNA

Protein and Peptide Quantification
BSA, IgG, Custom proteins

Colorimetric Assays
Bradford, BCA, Lowry, Pierce 660

Kinetic Assays
Fully customizable, 37-45°C

OD600 Microbial Cell Cultures
Optical density and cell/mL calculations

Fluorescence Nucleic Acid Quantification
DeNovix, Qubit®, Quantus® and custom assays

Fluorescence Protein Quantification
Commonly used kits and custom assays

Basic Fluorometer
Pre-configured and user-defined fluorophores

User Accounts
Password protect data, methods and settings

Data App
Store and search millions of results

Extended Product Line

QFX Fluorometer

Affordable, ultra-sensitive four-channel fluorometer with software pre-installed for commercially popular assays. Includes full network connectivity.

DS-C Spectrophotometer

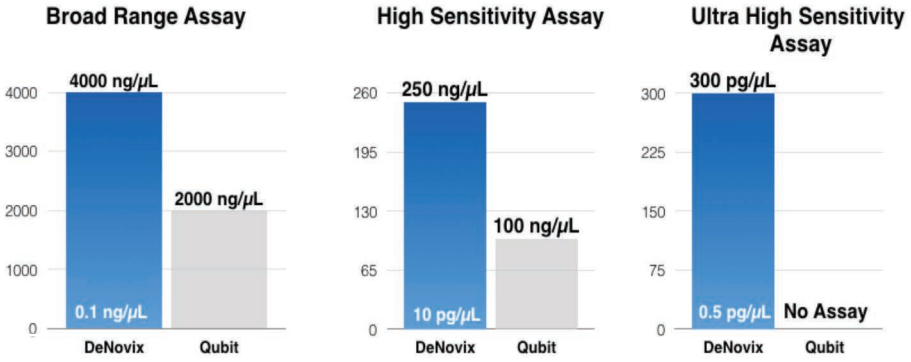
Cuvette-only instrument for UV-Vis applications (190-840 nm). Intuitive operation, full network connectivity and pre-installed EasyApps for rapid quantification.

FX Fluorometer Module

Add the USB connected FXModule to any DS-11 Series Spectrophotometer to enable all DeNovix Fluorometer apps. Features the same sensitivity and four-channel flexibility as the DS-11 FX+, DS-11 FX and QFX.

DeNovix Fluorometers and Assays Combine for Unmatched Sensitivity

DeNovix fluorometers combined with DeNovix dsDNA assays outperform equivalent Qubit® kits in both sensitivity and dynamic range. DeNovix offers three ranges of sensitivity and kit sizes. Each assay is a simple mix-and-measure, 2-point standard protocol. The breakthrough DeNovix dsDNA Ultra High Sensitivity Assay enables rapid and specific quantification to 0.5 pg/µL dsDNA.



Spectrophotometer Microvolume Mode (DS-11, DS-11+, DS-11 FX, DS-11 FX+)

Minimum Sample Size	0.5 µL
Pathlength	0.5 mm (auto ranging to 0.020 mm)
Light Source	Pulsed Xenon flash lamp
Detector Type	2048 element CCD
Wavelength Range	190 - 840 nm
Wavelength Accuracy	0.5 nm
Absorbance Precision	0.002 AU (0.5 mm) or 1%, whichever is greater
Absorbance Accuracy	1.5% at 0.75 AU at 260 nm
Spectral Resolution	1.50 FWHM @253.65 nm
Absorbance Range	0.015 – 750A (1 cm)
Detection Limit	0.04 mg/mL BSA; 0.75 ng/µL dsDNA
Maximum Concentration	1125 mg/mL BSA; 37500 ng/µL dsDNA
Measurement Time	2 seconds
AutoRun Function	Yes
Power Consumption	10 W (max 30 W)
Contaminant Detection	SmartQC™ Sample Guidance

Spectrophotometer Cuvette Mode (DS-11+, DS-11 FX+, DS-C)

Beam height	8.5 mm
Heating	37 - 45°C +/- 0.5°C
Pathlength	10, 5, 2, 1, 0.5, 0.2, 0.125 mm
Detection Limit	0.002 mg/mL BSA (1cm) 0.04 ng/µL dsDNA (1cm)
Maximum Concentration	75.0 ng/µL dsDNA (1cm)

Fluorometer Mode (DS-11 FX, DS-11 FX+, QFX, FX Module)

LED Sources	UV (375 nm), Blue (470 nm), Green (525 nm), Red (635 nm)
Excitation Filters	UV (361-389 nm), Blue (442-497 nm), Green (490-558 nm), Red (613-662 nm)
Emission Filters	435-485 nm, 514-567 nm, 565–650 nm, 665-740 nm
Detectors	Photodiode, detection range 300-1000 nm
Tube Type	0.5 mL thin-wall PCR tubes

Onboard Controller (No PC required)

Operating System	Custom Android OS
CPU	TI OMAP Dual Core ARM Processor
Display	1280 X 800 high definition color display
Touch Screen	Projective capacitive
Gesture Recognition	Multipoint touch, swipe, pinch
Glove Compatibility	All common lab gloves
Internal Storage	32 GB flash memory
Audio	Built-in speaker
Connectivity	Wi-Fi, Ethernet, 3 USB ports
Accessories	Printer; barcode reader, keyboard, mouse

General

Weight	2 kg
Footprint	20 cm X 33 cm
Operating Voltage	12 VDC
Approvals	UL/CSA, CE, FCC, Japan CAB
Manufacture Location	USA
Warranty	3 Year Standard
Colors	Arctic White, Brazilian Blue, Fire Red, Tungsten Silver
Patented Design	US9442009. Apparatus and Method for Making Optical Measurements of Samples

DeNovix Inc.
Wilmington, DE 19810 USA
Phone: +1.302.442.6911
www.denovix.com