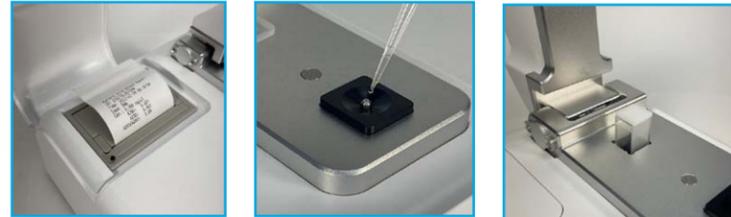


SmartDrop™ Nano Spectrophotometer



- Three models to meet various application requirements
- Quick, accurate, easy to use
- Large color touch screen
- Use 0.5-2.0 µl sample droplets
- Ideal for DNA/RNA and Protein analysis
- Cuvette port for OD600 readings (bacteria concentration)



Accuris SmartDrop™ nano spectrophotometers are compact and easy-to-use instruments for quick and accurate readings using small volumes of sample. A droplet of sample is placed onto the sensor pedestal, the SmartDrop arm is lowered, and results are immediately displayed, saved, or printed using the on-board printer.

User-friendly software and an intuitive interface allows for quick set-up and determination of nucleic acid concentration (260nm absorbance) and purity (260/280nm ratio). In addition to common nucleic acid applications, the SmartDrop™ can also be used for determining protein purity using 280nm absorbance results. The SmartDrop models X and XF both have full wavelength 200-800nm scan capability within 6 seconds. The XF models includes fluorescence detection for accurate quantification of concentrations of nucleic acids, down to 0.5pg/ul. A separate cuvette port for 600nm absorption readings is built into each instrument, expanding the usage of the SmartDrop™ for bacteria concentration evaluation and growth assays.

Results and data can be stored and organized in the onboard file memory or transferred via a USB drive to a PC for storage or further analysis. The built-in thermal printer is a unique feature to allow results to be printed immediately after analysis for adding to a lab notebook.

Ordering Information:

Item No.	Description:
NS1000*	SmartDrop™ L Nano Spectrophotometer
NS1010*	SmartDrop™ X Nano Spectrophotometer
NS1020*	SmartDrop™ XF Nano Spectrophotometer

*115V with US plug. For 230V (EU plug), add (-E).

Technical Data:

	NS1000 (SmartDrop™ L)	NS1010 (SmartDrop™ X)	NS1020 (SmartDrop™ XF)
Wavelength:	260, 280, 365, 600nm	200-800nm	200-800nm
Sample Size:	1.0µl to 2.0µl	0.5µl to 2.0µl	0.5µl to 2.0µl
Path Length:	0.5mm	0.2 & 1.0mm	0.05, 0.2 & 1.0mm
Measurement Time:	< 6 sec.	< 6 sec.	< 6 sec.
Wavelength Accuracy:	1nm	1nm	1nm
Absorbance Precision:	0.005Abs	0.003Abs	0.003Abs
Absorbance Accuracy:	1% (7.332Abs at 260nm)	1% (7.332Abs at 260nm)	1% (7.332Abs at 260nm)
Optical Detector:	UV Silicon Photocell	2048-Linear CCD array	2048-Linear CCD array
Light Source:	LED	Xenon Flash Lamp	Xenon Flash Lamp
Detection Range dsDNA:	10-2500ng/µl	2-4500ng/µl	2-15000ng/µl
Printer:	Built in printer	Built in printer	Built in printer
Cuvette OD 600nm	Yes	Yes	Yes
Light Source:	LED	LED	LED
Absorbance Range:	0-4.0A	0-4.0A	0-4.0A
Wavelength:	600 +/- 8nm	600 +/- 8nm	600 +/- 8nm
Fluorescence DNA Quantitation	N/A	N/A	Yes
Sensitivity	N/A	N/A	dsDNA: 0.5pg/µl
Linearity	N/A	N/A	R ² ≥ 0.995
Repeatability	N/A	N/A	≤ 1.5%
Dimensions:	8.2 x 11.0 x 7.3 in. 20.8 x 28.0 x 18.6cm	8.2 x 11.0 x 7.3 in. 20.8 x 28.0 x 18.6cm	8.2 x 12.6 x 7.3 in. 20.8 x 32.0 x 18.6cm
Weight:	7.9 lbs. (3.6kg)	7.9 lbs. (3.6kg)	7.9 lbs. (3.6kg)

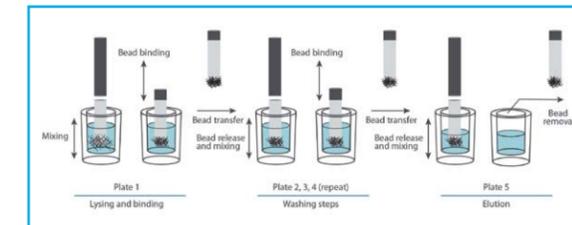


IsoPure™ 96 Nucleic Acid Purification Systems



- Operates as a stand-alone system, or connect to PC for programming
- 8-position carousel for deep well sample plates
- Intuitive programming and operation on a user-friendly touch screen
- Reliable and automated processing of up to 96 samples

The IsoPure™ 96 from Accuris Instruments is a high throughput automated purification system that improves efficiency and reproducibility of magnetic bead extractions. Capable of processing up to 96 samples at one time, the instrument is easy to set up and program. Mixing, magnetic bead transfer, washing and elution steps are performed automatically, saving valuable hands-on time. The complete purification process can be finished in as little as 10 minutes (depending on the reagent kit and complexity of the program.)



- Compact design takes up only 8 x 10 in. of bench space
- Intuitive programming on a user-friendly touch screen
- Higher yields and reproducibility than manual extraction methods
- Fast and reliable sample processing

The IsoPure™ Mini from Accuris Instruments is an extremely compact, automated purification system that improves efficiency and reproducibility of magnetic bead extractions. Capable of processing up to 16 samples at one time, the instrument is easy to set up and program. Mixing, magnetic bead transfer, washing and elution steps are performed automatically, saving valuable hands-on time. The complete purification process can be finished in as little as 10 minutes (depending on the reagent kit and complexity of the program.)

Ordering Information:

Item No.	Description:
AP1096*	IsoPure™ 96, Automated Purification System
AP1096-DWP	96 deep well plates for IsoPure™, 50/cs.
AP1096-TC	Tip Comb for IsoPure™ 96, 50/cs.
AP-1016*	IsoPure™ Mini, Automated Purification System
AP1096-DWP	96 deep well plates for IsoPure™, 50/cs.
AP1016-6W	6-well sample strips, 100/cs.
AP1016-MC	8-place magnetic tip comb for IsoPure Mini, 50/cs.
AP1016-TAB	Android tablet preloaded with IsoPure™ app

*115V with US plug. For 230V (EU plug), add (-E).

IsoPure™ Mini Purification System



Technical Data:	IsoPure™ Mini	IsoPure™ 96
Capacity / Sample Volume:	16 samples / 20µl to 1000µl	96 samples / 20µl to 1000µl
Magnetic Bead recovery rate:	>95%	
Lysis Temperature range:	RT to 120°C	
Elution Temperature range:	RT to 120°C	
Display:	4.3 inch color screen	7.0 inch color screen
Programming Control:	Bluetooth, Android tablet	Touch screen/mouse, or PC connection
Program Memory:	100 programs	
Communication:	USB	
Internal Lighting:	LED	
Contamination Control:	UV Sterilization	
Electrical Input:	Universal 120 to 240V, 50 to 60Hz	
Dimensions: (W x D x H)	7.9 x 10.2 x 11.8 in. (20 x 26 x 30 cm)	22 x 24.5 x 19.7 in. (56 x 62 x 50 cm)
Weight:	15.4 lbs. (7kg)	119 lbs. (54kg)
Warranty:	2 years	