

Ensure workflow confidence with reproducible sample extraction and trustworthy sample quantification

Automate sample extraction and quantify nucleic acids or proteins for accurate downstream results

Accurate experimental results require properly prepared samples and replicable, precise and true measurements. Experience consistent results and easy-to-use workflows with the Thermo Scientific™ KingFisher™ Apex Automated Purification instruments along with Thermo Scientific™ NanoDrop™ Eight spectrophotometer and Invitrogen™ Qubit™ Flex Fluorometer.

KingFisher Automated Purification Instruments

KingFisher automated purification instruments are designed to automate the extraction and purification of DNA, RNA, proteins, and cells, thus allowing processing at different throughput levels, volume ranges, and rates of samples per run. Instruments provide easy-to-follow protocols that remove manual steps and reduce overall processing time and errors associated with sample preparation

while increasing the yield and reproducibility of results compared to manual workflows.

KingFisher Apex enhances usability through features like touchscreen-based control, a barcode scanner, a cooling block, and UV decontamination. With additional capabilities for adaptability, KingFisher Apex represents the pinnacle of automated purification.

Kingfisher Instruments effortlessly provide excellent purification results with high reproducibility in a fast and flexible manner. Survey this chart to help determine which model is right for your lab.

NanoDrop Eight Microvolume UV-Vis Spectrophotometers

Ideally suited to quantify and qualify nucleic acid and protein samples as a quality control step for downstream assays, the NanoDrop Eight Spectrophotometer helps prevent failed experiments by providing accurate analyte concentrations and identifying contaminants that may alter experimental

results. Measure an 8-sample array in under 20 seconds or a full 96-well plate in under 6 minutes.



Easily pipette samples whether left- or right-handed.

Built-in Acclaro Sample Intelligence finds contaminants and corrects nucleic acid and protein concentrations to improve downstream assay reliability.

Qubit Flex Fluorometers

Designed to address evolving throughput requirements, Qubit Flex Fluorometers offer sensitive and specific quantification of DNA, RNA and protein with the ability to measure up to 8 samples simultaneously. The easy-to-use touchscreen menus make it easy to perform assays, with accurate and reliable results displayed in just a few seconds.

The advanced optics and data analysis algorithms were optimized to work in perfect harmony with Qubit reagents, resulting in a seamless solution for nucleic acid and protein experiments.

21 CFR Part 11 compliance support

Verification of scientific data integrity is frequently required of pharmaceutical and biotech companies, biobanks, or academics. Optional Thermo Scientific™ SciVault™ Software and Invitrogen™ Qubit™ Flex Security Software feature user account management, electronic signature capability, and audit logs, to help your lab stay compliant with federal data regulations.

Nucleic acid purification and quantification products



Instrument	Duo Prime	Apex	NanoDrop Eight	Qubit Flex
Instrument size	Compact benchtop	Benchtop	Compact benchtop	Compact benchtop
Throughput level	Low to medium	High	High	Medium
Processing volume range	<ul style="list-style-type: none"> 50-1,000 µL: 12-pin magnet head 200-5,000 µL: 6-pin magnet head 	<ul style="list-style-type: none"> 15-1,000 µL: 96 deep-well plate 15-200 µL: 96-well KingFisher standard plate 10-80 µL: 96-well PCR plate 30-5,000 µL: 24 deep-well plate 30-200 µL: 96 storage tubes 200-1,000 µL: 24 storage tubes 	Measures 1-2 µL sample	Measures 1-20 µL sample
Samples per run	6 or 12	24 or 96	8 - 96	1 - 8
Customizable protocols	Yes	Yes, with touchscreen or PC software	Yes	N/A
Heating/cooling	<ul style="list-style-type: none"> 10°C to 75°C (plate row block A) 4°C to 75°C (elution strip block) 	<ul style="list-style-type: none"> From 4°C above ambient temperature to 100°C Cooling down to 4°C 	N/A	N/A

* Or similar skirted PCR plate

Product	Cat. No.
NanoDrop Eight Spectrophotometer	NDE-GL
SciVault compliance software for NanoDrop Eight Spectrophotometers	840-371100
KingFisher Duo Prime Purification System	5422110
Qubit Flex Fluorometer	Q33327
Qubit Flex Security Software	Q31994
KingFisher Apex with 96 PCR head	5400910
KingFisher Apex with 96 Combi head	5400920
KingFisher Apex with 96 DW head	5400930
KingFisher Apex with 24 Combi head	5400940

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