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Thermo Fisher unveils system for automated sample purification

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KingFisher Apex Purification System isolates nucleic acids, proteins and cells with customizable protocols



Thermo Fisher Scientific has launched the Thermo Scientific KingFisher Apex Purification System, a high-throughput sample purification instrument designed for scientists who need to automate the extraction of DNA, RNA, proteins and cells from an array of sample types.

The instrument is easy to use, saves time and enables consistent results even as laboratory needs evolve.

The KingFisher Apex enables nucleic acid, protein and cell isolation while allowing users to customize protocols directly from the instrument to provide flexible, reproducible and fast sample preparation without additional expense or complexity.

It automates much of the error-prone work associated with preparing high-quality nucleic acids and proteins, can process for 24 to 96 samples in 25 to 65 minutes and elutes in low volumes (10 µL) for demanding downstream applications.

"Building on decades of product expertise, the KingFisher Apex combines unparalleled instrument capabilities into one platform, filling a gap where existing solutions include either large, complicated, high-cost instruments or low-throughput solutions that don't meet the processing needs of many labs," said Jeff Journey, vice president and general manager, sample preparation at Thermo Fisher Scientific. "Simplifying and automating the sample preparation workflow will help improve research productivity and drive new discovery, especially for those working with high-value samples such as circulating tumor cells, T-cells and exosomes."