

Australia's IonOpticks Generation 4 Aurora Series sets new benchmark in chromatography

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Generation 4 Aurora Series features an expanded range of 150??m capillary flow columns designed for modern proteomics workflows



Australia-based IonOpticks, developer of chromatography columns for mass spectrometry research, has announced the launch of its 4th Generation of Aurora Series columns.

Following extensive testing by leading proteomics researchers, the latest generation further strengthens the qualities that made the Aurora Series famous, offering enhanced robustness, longevity, spray stability and reproducibility, while still delivering a best-in-class balance of throughput, sensitivity and depth of coverage in sample analysis.

These performance gains enable Generation 4 Aurora Series columns to withstand demanding conditions, offering a practical solution for laboratories under pressure to produce reliable data with fewer resources.

The Generation 4 Aurora Series features an expanded range of 150??m capillary flow columns designed for modern proteomics workflows. These columns deliver high-throughput analysis of complex samples while maintaining sensitivity. Notably, the introduction of the 150??m columns brings improvements that are especially valuable for high-impact applications such as drug discovery, clinical proteomics, and bioprocessing development, where consistency and data reliability are essential.

This also marks the introduction of IonOpticks' HeatSync™ product family, developed to provide a more efficient and user-friendly suite of accessories for column heating at the source. The HeatSync™ ecosystem enables precise temperature control and includes a controller, column heater, regulator, and a dedicated housing for columns shorter than 8 cm. Its streamlined design minimises complexity, allowing researchers to focus on scientific discovery rather than managing equipment.

The latest enhancements and expanded product range embodied in Generation 4 address the key points of demand

IonOpticks has distilled from extensive collaborations with the scientific community. Designed for stability across extended workflows, Generation 4 Aurora Series® columns support uninterrupted research for more complete proteomic coverage and greater confidence in quantification.