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Thermo Fisher introduces new Mass Spectrometer to strengthen biological discovery

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Orbitrap Astral mass spectrometer combines high resolution and speed to accelerate the discovery of new proteins and advance precision medicine



Thermo Fisher Scientific Inc. has unveiled the Thermo Scientific Orbitrap Astral mass spectrometer, one of the most significant advancements in mass spectrometry in 15 years. The new Astral analyser combines fast throughput, high sensitivity and deep proteome coverage to allow researchers worldwide to uncover proteins that previously evaded detection and make breakthrough discoveries more efficiently than ever.

Researchers can use this information to identify new clinical biomarkers, reveal diseases earlier and develop new interventions for everything from cardiovascular disease to cancer.

Thermo Scientific Orbitrap Astral mass spectrometer offers accurate and precise quantitation in proteomics laboratories with faster throughput, deeper coverage and higher sensitivity than the current state-of-the-art.

The new Astral analyser builds on Thermo Fisher’s proven Orbitrap mass spectrometry platform with novel technology to deliver up to two times deeper proteome coverage and up to four times more throughput compared to current mass spectrometers.