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## **100 Kelvin in 5 minutes with the new Cryojet5 Nitrogen jet from Oxford Instruments!**

Building on over 50 years cryogenic and 15 years X-ray crystallography experience, Oxford Instruments has completely redesigned its Cryojet nitrogen jet system to meet the increasing demands of all crystallography researchers. For applications ranging from proteomics to materials characterisation, crystallographers can easily protect and investigate molecular structures across a complete range of temperatures from 85 to 500 Kelvin. The new jet offers the fastest cooldown, the most economical use of cryogenics, and the most compact and user-friendly system on the market.

This week, Oxford Instruments is showcasing Cryojet5 at the XXII International Congress and General Assembly of the International Union of Crystallography in Madrid from the 22<sup>nd</sup> to the 26<sup>th</sup> of August.

Further information on this product can be found on [www.oxford-instruments.com/Cryojet5](http://www.oxford-instruments.com/Cryojet5).

Issued for and on behalf of Oxford Instruments NanoScience

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### **Notes to editors**

#### **About Oxford Instruments NanoScience and Oxford Instruments plc.**

Internationally recognised as world leaders in superconductivity and ultra low temperature cryogenic environments, Oxford Instruments NanoScience is driving innovation in these fields. The company's leading-edge technologies support research in nanotechnology, solid state and condensed matter physics. Combining outstanding technical expertise, original thinking and a commitment to meeting customers' needs, Oxford Instruments NanoScience enables real advances both in research and commercial applications by providing the high quality technological environments needed to meet demanding experimental requirements. Oxford Instruments NanoScience is part of the Oxford Instruments plc group.

The Oxford Instruments plc group designs, supplies and supports high technology tools, processes and solutions with a focus on physical science, bioscience, environmental and

industrial research and applications. It provides solutions needed to advance fundamental nanoscience research and its transfer into commercial nanotechnology applications. Innovation has been the driving force behind Oxford Instruments' growth and success for 50 years, and its strategy is to effect the successful commercialisation of these ideas by bringing them to market in a timely and customer-focused fashion.

The first technology business to be spun out from Oxford University fifty years ago, Oxford Instruments is now a global company with over 1,500 staff worldwide and a listing on the London Stock Exchange (OXIG). Its objective is to be the leading provider of new generation tools and systems for the Physical Science and Bioscience sectors.

This involves the combination of core technologies in areas such as low temperature and high magnetic field environments, Nuclear Magnetic Resonance, X-ray electron and optical based metrology, and advanced growth, deposition and etching. Our products, expertise, and ideas address global issues such as energy, environment, terrorism and health and are part of the next generation of telecommunications, energy products, environmental measures, security devices, drug discovery and medical advances.

For further information, please visit: [www.oxford-instruments.com](http://www.oxford-instruments.com)