

Crystallography Times

Rigaku

Protein Crystallography Newsletter

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Continuing Education Webinar

Caveat Emptor: What is the Right X-ray Source for You?

Presenter: Joseph D. Ferrara, Ph.D.

August 26th at 11:00 AM EDT
(15:00 GMT)



New CrystalMation™ Intelli-Plate™ 96-3 well crystallization plate that is optically clear, UV-transmissible, with low birefringence properties.

Reference Tables

Resolution vs. Crystal-to-Detector Distance

Crystallography in the news



July 23, 2009. Rice University researchers have used X-ray crystallography to solve the structure of the shell of the [hepatitis E virus](#).

July 17, 2009. Prof. Wladek Minor, and his research team at the University of Virginia Health System within the Midwest Center for Structural Genomics (MCSG), celebrate the deposit of their [thousandth protein structure](#) into the Protein Data Bank (PDB).

July 14, 2009. Prof. Andrzej Joachimiak and a team of researchers at the U.S. Department of Energy's (DOE) Argonne National Laboratory, in collaboration with scientists at the University of Chicago, have determined the structure of a [protein crucial to the virulence of anthrax bacteria](#).

June 11, 2009. The Faculty of Health Sciences at the University of Copenhagen has opened the doors of its [new research center](#), The Novo Nordisk Foundation Center for Protein Research headed by director Michael Sundström.

Low birefringence crystallization plate

Rigaku has just introduced the NEW CrystalMation™ Intelli-Plate™ 96-3 well low-profile crystallization plate designed for sitting drop vapor diffusion crystallization experiments. The CrystalMation Intelli-Plate is constructed from optically clear, UV-transmissible, chemically resistant plastic with superior low-birefringence. The low-profile construction allows for higher density in plate storage and imaging systems, maximizing your investment and valuable space. Designed to be a substantial improvement in existing low-profile plates, the new CrystalMation Intelli-Plate 96-3 allows for superior sealing due to thicker well design and a flat sealing surface. It has been built to the SBS (Society for Biomolecular Screening) standard dimensions with 8 vertical reservoirs versus 12 horizontal reservoirs and is compatible with automated instrumentation including the CrystalMation line of instruments from Rigaku.

Request a copy of the [Intelli-Plate 96-3](#) product document.

What is the right X-ray source for you?

[Rigaku Life Sciences Webinar Series](#) continues on August 26th. In the previous webinar in this series, we reviewed some of the maintenance procedures associated with rotating anode X-ray generators. Now we will explore the properties of X-ray sources, that is, the combination of X-ray generator and X-ray optic. The discussion will cover properties such as focal spot size, divergence, spectral purity, beam size and shape and how they affect data quality. Upon completion you will have a better understanding of what type of source best suits your needs.

[Click here to register.](#)

Useful links for crystallography

[Protein Science](#) - virtual issues are now available.

[UCLA Merohedral Twinning Server](#) - twinning continues to plague

Remarkable Creatures: Epic Adventures in the Search for the Origin of Species by Sean B. Carroll.

provided the idea of a mitochondrial Eve. A great tribute to Charles Darwin, the book celebrates the 200th anniversary of his birth and 150th anniversary of the publication of *The Origin of Species*.

Joseph D. Ferrara, Ph.D.



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