

Portable xenon pressure chamber

Oxford Cryosystems has teamed up with the University of Oxford to design and manufacture a portable xenon pressure chamber, the Xcell. This device is designed to easily produce heavy-atom derivatives for macromolecular X-ray crystallography.

The Xcell encloses the crystal sample in a small chamber. The chamber can then be pressurized with xenon from a cylinder to a maximum of 25 bar. A quick-release connector allows the Xcell to be isolated from the gas supply whilst still under pressure, making the device both highly portable and highly usable. Other benefits of the Xcell include:

new commercial products

Announcements of new commercial products are published by *Acta Crystallographica Section D: Biological Crystallography* free of charge. The descriptions, up to 300 words or the equivalent if a figure is included, should give the price and manufacturer's full address. Full or partial inclusion is subject to the approval of the Editor, to whom all correspondence should be sent. The International Union of Crystallography can assume no responsibility for the accuracy of the claims made.

a small pressure chamber to minimize the consumption of expensive xenon;



various safety features such as a pre-set relief valve allowing a maximum pressure of 25 bar inside the cell;

carefully controlled inlet and vent valves to enable the chamber to be pressurized and vented without damage to the crystal sample;

compatibility with common sample-mounting systems;

carefully controlled inlet and vent valves to enable the chamber to be pressurized and vented without damage to the crystal sample.

Oxford Cryosystems
3 Blenheim Office Park
Lower Road
Long Hanborough
Oxford OX8 8LN
England
E-mail: info@oxfordcryosystems.co.uk