14-U1003 Neuroprotection by inert gas

December 4th 2008

λ = 1.0 Å, 12.3985 keV
16 bunch mode

Room temperature X-ray data collection under gas pressure using our own pressurisation cell
Gas used: xenon, nitrous oxide, mixture of xenon and nitrous oxide

Cyclophiline D: 6 full data collections, best data set at 1.5 Å resolution
Elastase: 4 full data collection, best data set at 1.3 Å resolution
Urate oxidase: 7 full data collection, best data set at 1.4 Å resolution

Cryo temperature X-ray data collection

Urate oxidase: 3 full data collection, best data set at 1.3 Å resolution

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May 7th 2009

λ = 0.976 Å, 12.6791 keV
16 bunch mode

Room temperature X-ray data collection under gas pressure using our own pressurisation cell
Gas used: nitrous oxide, mixture of nitrous oxide and xenon, mixture of xenon and oxygen, oxygen

Glucose isomerase: 2 full data collection, best data set at 1.5 Å resolution
Lysozyme: 7 full data collection, best data set at 1.5 Å resolution
Urate oxidase: 4 full data collection, best data set at 1.6 Å

Cryo temperature X-ray data temperature

Urate oxidase: 2 full data collection, best data set at 1.45 Å