



	Experiment title: Human Glyoxalase II	Experiment number: LS-1129
Beamline: ID14-4	Date of experiment: from: 20 Nov 1998 to: 23 Nov 1998	Date of report: 1 March 1999
Shifts: 1	Local contact(s): Sean McSweeney	<i>Received at ESRF:</i>

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Report:

Four datasets were collected of Human glyoxalase II, GLX II, soaked with two substrate analogues for different lengths of time. All data sets were of good quality. From a biological point of view, the crystal that had been soaked for the shortest time turned out to be the most useful. For this crystal the data were 99% (100%) complete to 1.45 Å with an Rmerge of 11% (34%) and I/sigI 13 (5). In the other crystals the substrate analogue had been hydrolysed. In the refined structure the substrate analogue can clearly be seen in the electron density maps. The manuscript relating to this structure will be submitted shortly.

The two days allocated were shared with two other projects from our department (LS-1164, ribokinase; LS-1205, cellulases) and about 1 shift was used for the GLX II project. In general the data collection was very useful allowing us to very rapidly collect data from crystals of different complexes to high resolution.