ESRF	**Experiment title:** Survivin	**Experiment number**: LS-1655
Beamline: BM14	**Date of experiment**: from: 23 Febr to: 24 Febr 2000	**Date of report**: 20-03-00
Shifts: 3	**Local contact(s)**:G. Sainz	*Received at ESRF:*

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Report

Protein Survivin

Survivin is a newly described apoptosis inhibitor that is expressed in many human cancers and appears to play a critical role in both apoptosis regulation and cell cycle progression.

Survivin crystals belong to space group C2, a=113.45, b=67.76, c=80.77Å, β=127.43°.

A four-wavelength MAD experiment was collected on BM14 to 3.2Å resolution. Three wavelengths were chosen (peak 1.285Å, inflection 1.283Å and high energy remote 1.276Å) around the Zn K edge. An extra data set was collected at the peak of the cobalt absorption (1.606Å). While 165° were collected at λ peak in order to obtain a high redundancy, only 110° were collected for the other wavelengths. The data processed and scaled with the DENZO/SCALEPACK programs gave good quality data with Rsym in the range of 4.9-8.1%.