



	Experiment title: Structure of Protein C5 of RnaseP of E.coli	Experiment number: LS-1315 block alloc
Beamline: Id14-3	Date of experiment: from: 15.4.99 to: 16.4.99	Date of report:
Shifts: 1	Local contact(s): Van Raaij Mark	<i>Received at ESRF:</i>
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Report:

A native dataset (3.5 Å) and two derivatives (Sm (2.9*4.4 Å) and Os (3.6*5.9 Å) had been collected. The derivatives turned out not to be useful for phasing, because of severely reduced diffraction quality: Notably an anisotropic reduction of diffraction caused by the combined effects of derivatisation and freezing. Native crystals yielded data to a resolution considerably higher than obtainable from a rotating anode, though not to the expected and desired resolution.

The crystals grown under high salt conditions appear not to be stable enough to go undamaged through the double soaking procedure required for derivatives in cryo-protectant. Our current approach to solve this problem is growing crystals from cryo-protectant precipitants by seeding.