



	Experiment title: Structural studies of <i>E. coli</i> ribokinase.	Experiment number:
Beamline: ID14-4	Date of experiment: from: 10 December 1999 to: 12 December 1999	Date of report: 23 August 2000
Shifts: 6	Local contact(s): Sean McSweeney	<i>Received at ESRF:</i>
Names and affiliations of applicants (* indicates experimentalists): * Evalena Andersson, Uppsala University, evalena@alpha2.bmc.uu.se Sherry Mowbray, Swedish University of Agricultural Sciences, mowbray@xray.bmc.uu.se		

Report:

Ribokinase is the only known enzyme which phosphorylates ribose at O5 using ATP as the phosphate group donor. It is found in all procaryotic and eucaryotic species tested so far.

The crystals were too small to be tested on our local rotating anode x-ray source prior on going to ESRF. Around 50 crystals with substrate and metal ion were tested and one dataset was collected to 2.6 Å. The dataset was processed and the structure solved at 2.6 Å, but higher resolution would be desirable.