EUROP

	Experiment title: Stuctural studies of *E. coli* ribokinase.	**Experiment number**: LS1665
Beamline: ID14-1	**Date of experiment**: from: 26 February 2000 to: 28 February 2000	**Date of report**: 23 August 2000
Shifts: 6	**Local contact(s)**: Hassan Belrhali	*Received at ESRF:*

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Report:

Ribokinase is the only known enzyme which phosphorylates ribose at O5 using ATP as the phosphategroup donor. It is found in all procaryotic and eucaryotic species tested to date.The crystals used were too small to be tested on our local rotating anode x-ray source prior on going to ESRF. Around 10 crystals were tested and one dataset with ribokinase in complex with substrates (ribose and ATP analogue AMPPCP) and ions was collected to a resolution to 2.2 A. Totally 620 frames were colleced with an oscillation of 0.2°, and the dataset was 98.2 % complete. The structure is being refined to 2.34 A and gives further insights into the function of the enzyme (results to be published).