



Experiment title:

**Structural studies of *E. coli* ribokinase.**

*BAG: Uppsala (II)*

**Experiment**

**number:**

LS-1520 e

**Beamline:**

ID14-4

**Date of experiment:**

from: 10 December 1999 to: 12 December 1999

**Date of report:**

23 August 2000

**Shifts:**

3

**Local contact(s):**

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*Received at ESRF:*

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## Report:

Ribokinase is the only known enzyme which phosphorylates ribose at O5 using ATP as the phosphate group donor. It is found in all prokaryotic and eukaryotic 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.