	Experiment title: **Ribose 5-phosphate B from *M. tuberculosis***	**Experiment number**: MX-2187
Beamline: ID14EH4	**Date of experiment**: 13-14th December 2002	**Date of report**: 30th Aug 2004
Shifts: 1/2	**Local contact(s)**: Dr. Ingar Leiros	

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Report:

Ribose-5-phosphate isomerase is an enzyme involved in the pentose phosphate pathway where it catalyses the interconversion of ribose-5-phosphate to ribulose-5-phosphate. Two non-homologous enzymes have been identified that perform this catalysis, RpiA and RpiB. Humans have the RpiA form whereas the pathogenic bacterium *M. tuberculosis* only has RpiB. Therefore this enzyme could be a good potential drug target and structural studies could lead to ideas for a new anti-tuberculii medicin.

Two data sets were collected of crystals soaked in two different heavy metals. Unfortuneately no phases could be obtained from this data.