ESRF	Experiment title: **TB Epoxide hydolase.** *BAG: Uppsala (II)*	**Experiment number**: MX-133
Beamline: ID14-EH4	**Date of experiment**: from: 12 April 2003 to: 14 April 2003	**Date of report**: 1 Sept 2003
Shifts: 2	**Local contact(s)**: Raimond Ravelli	*Received at ESRF:*

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Report:

Epoxide hydrolases are essential to many organisms for detoxification of highly-reactive, harmful, epoxide-containing compounds. However, some bacteria have been shown to use epoxides or their alkene and halohydrin precursors as a metabolism carbon source. Since several of the M. tuberculosis epoxide hydrolases do not share the α/β-fold of their mammalian counterparts, they might be interesting as potential drug targets. Three MAD- & two single wavelength datasets of heavy atom soaked TBEH-crystals were collected at ESRF ID14:4. Two of the datasets exhibited some anomalous signal but more phasing is still needed to solve the structure.