| ESRF | **Experiment title:** Data collections on P67TPR,PBP2b,PBP2xR and Zn-β-lactamase | **Experiment number**: LS1655 |
|---|---|---|
| **Beamline**: Id14-2 | **Date of experiment**: from: 21 Febr to: 22 Febr 2000 | **Date of report**: 24-03-00 |
| **Shifts: 3** | **Local contact(s)**:Ed Mitchell | *Received at ESRF:* |

**Names and affiliations of applicants** (* indicates experimentalists):

*Sylvestre Grizot IBS/LCM
*Laurent Chantalat IBS

**Report**

**1) Protein** P67TPR, space group $P3_1$ , a=b=67.76Å and c=49.95Å.

One data set was collected at 2.1Å resolution, $R_{sym}$= 6.3%, completeness=100%,<I/σ>=8.5.

**2) Protein** PBP2b, diffraction to 3Å resolution but we observed a very anisotropic diffraction pattern; this data set cannot be used.

**3) Protein** PBP2xR diffraction only to 7Å resolution.

**4) Protein** Zn-β-lactamase with inhibitor.

A crystal of Cd-substituted *Bacillus cereus* metallo-β-lactamase was soaked for 8 hours with 40mM thio-mandelic acid. A data set was collected to 1.8Å resolution, then processed and scaled with the DENZO/SCALPACK programs ($R_{sym}$= 5.6%, completeness=81.2% and multiplicity= 1.7).