



	Experiment title: Data collection on PBP2x (formB) from <i>S. pneumoniae</i> Test on membrane protein crystals	Experiment number: LS1506
Beamline: ID14-4	Date of experiment: from: 27 to: 28 September 2000	Date of report: 28-2-2000
Shifts: 3	Local contact(s): Steffi ARZT	<i>Received at ESRF:</i>
Names and affiliations of applicants (* indicates experimentalists): Participants : Martin Caffrey, Eva Pebay-Peyroula* Elspeth Gordon*		

Report:

- 1) An effort was made to collect high resolution data from PBP2x crystal form B - to date the structure has been refined to 2.4 Å. Data were collected to 2.1 Å. Data for PBP2x complexed with a novel inhibitor were collected to 4 Å. Complex formation results in disruption of the crystal lattice. These data confirmed that the inhibitor was bound in the active site. Data collected to higher resolution (ID14-EH2) is being used for refinement.
- 2) We used the time for testing crystals of new membrane proteins grown in lipidic cubic phases at IBS and for collecting high resolution data on crystals of reaction center from *R. sphaeroides* grown in lipidic cubic phases, unfortunately the best crystal diffracted to 3.2 Å.