



Experiment title: Crystal structure analysis of purple acid phosphatase from rat bone	Experiment number: LS-835	
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Shifts: 2	Local contact(s): Manfred Burghammer	<i>Received at ESRF.</i>

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Report:

Beam time for this project had been allocated for a test run of these and other crystals from our laboratory. Data of purple acid phosphatase (PAP) from rat bone was collected from a 30 μm x 30 μm x 30 μm crystal. In spite of their small size, the crystals diffracted to 2.2 Å resolution. A partial native data set (64.5 % complete) was obtained with an Rmerge of 9.8 % (20.7 % in the highest resolution shell). The crystals are orthorhombic, space group $P2_12_12_1$ or possibly $P2_12_12$ with cell dimensions $a=57.2$ Å $b=69.5$ Å and $c=87.2$ Å.