



	Experiment title: BAG CBS Montpellier	Experiment number: MX-536
Beamline: ID 14-3	Date of experiment: from: 16th to: 17 th February 2006	Date of report:
Shifts: 3	Local contact(s): Dr Ganesh NATRAJAN	<i>Received at ESRF:</i>
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P3

20 XI tested, 3 datasets at around 3.0-3.5 Å were collected of native form and one derivative (HgCl₂) at 3.8 Å.

Partial model was built using MR and derivative. Need better datas.

CCPN

10 complexes were tested (AMP malate glucose citrate FBP); no data collected

RAR/CAR

- 9 crystals of PXR (Pregnane X receptor), part of the PXR/CAR project were tested. They only diffract to 7 Å resolution so no data set were collected.

- 5 crystals of RXR in complex with compound 2a were tested (part of the RAR/RXR project), two data set were collected up to 1.8 Å resolution. The structure of the complex was solved, the coordinates of the structure have been deposited to the pdb (entry code 2P1T) and an article has been submitted to Nature Chemical Biology.

- 2 crystals of RXR in complex with CD3254 have been tested. they only diffract to 4 Å resolution so no data set were collected.

cyclo,

20 XI tested, 10 datasets collected

- One apo form at 1.52 Å

- 4 complexed structures with different ligands at 1.4 Å, 1.9 Å, 1.4 Å and 1.05 Å

NADK

Background: LmNADK1, is a tetrameric kinase from *Listeria monocytogenes*

involved in the 2' phosphorylation of NAD. Wild-type form:
Purine derivatives soaked on crystals in I222 form of wild-type NAD kinase were tested, and four complete datasets were collected (resolution= 2.15-2.5 Å). Rsym: from 4.9 to 8.1 %. Best refinement ended with Rwork of 20.3 and Rfree of 23.8. Ligands present in mixture.
In conclusion, new complexes obtained.

P14-AKT

40 µl of phAKT-P14 were tested, diffraction no better than 15 Å