

	<b>Experiment title:</b> BAG CBS Montpellier	<b>Experiment number:</b> MX-330
<b>Beamline</b> : ID 29	<b>Date of experiment:</b> from: 22th July to: 23th July 2005	<b>Date of report:</b> 2/12/05
<b>Shifts:</b> 3	<b>Local contact(s):</b> Laurent Terradot	<i>Received at ESRF:</i>
<b>Names and affiliations of applicants</b> (* indicates experimentalists): Labesse Gille, CBS, Montpellier		

### 1/. NADK

Various data sets collected at up to a 1.9 Å resolution. A new crystal form (space group I222 instead of P21) obtained in presence of a new ligand analog. Due to ice rings resolution was limited to 2.35 Å (Rmerge : 5.7 %) after failure of a primary refinement. Final refinement lead to a current R = 21%/Rfree 26%. Ligand clearly visible. Related complexes with/without reductor or bi-substrate analogs diffracted to 2.2-2.3 Å. Problem with ice rings and poor diffraction (3 Å) with co-crystallization and soaking with the biological substrate/product of the NADK: NAD/NADP,.

### 2/. MabA

Data at 1.8 Å and 2.0 Å for a mutant and protein-inhibitor complex. Current refinement reveal no ligand visible and a disordered segment comprising the mutated residue. Other crystals tested but not recorded.

### 3/. Test TMPK

Data to 4.0 Å. Several crystal tested unsuccessfully.

This document was created with Win2PDF available at <http://www.win2pdf.com>.  
The unregistered version of Win2PDF is for evaluation or non-commercial use only.