



	Experiment title: Dextranase BAG: Uppsala (II)	Experiment number: LS 1804
Beamline: ID29	Date of experiment: from: 09 Feb 2001 to: 11 Feb 2001	Date of report: 28 Aug 2001
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Report:

Dextranase hydrolyses the α -1,6-glycosidic linkage within the dextran molecule and releases smaller isomaltosaccharides. We are studying dextranase from the fungus *Penicillium minioluteum* recombinantly expressed in *Pichia pastoris*. A mutated *dex* gene, with all three potential N-glycosylation sites removed by mutagenesis, are used for expression to obtain protein with improved crystallization ability. No structure of any dextranase is available.

During this visit three datasets were collected of potential derivatives, $\text{KAu}(\text{CN})_2$, HgAc , Na_3IrCl_6 .