



	Experiment title: Dextranase BAG: Uppsala (II)	Experiment number: LS 1935
Beamline: ID29	Date of experiment: from: 30 March 2001 to: 31 March 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 a complete MAD datasets from dextranase crystals containing 50% incorporation of selenomethionine was collected.