



	Tests on a new crystal form of the 8S SMN subcomplex particle	Experiment number: TC-212
Beamline: ID29	Date of experiment: from: 16/06/2008 to: 17/06/2008	Date of report: 28/07/2008
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Report:

Two trans-acting macromolecular protein complexes assist the formation of spliceosomal U-rich small ribonucleoprotein particles (U snRNPs) *in vivo*. One of them, the so-called SMN-complex, promotes RNP formation by catalyzing the joining of U snRNP-proteins (termed Sm proteins) with U snRNA.

We have found a new crystal form of the complex comprising SMN, Gemin2, Sm proteins D1, D2, E, F, and pICln (8S), disparate from the 8S complex crystals tested during experiment TC-209.

These new crystals have been obtained using a novel polymeric precipitant. Consistent diffraction to 4.5 Å could be observed for 15 crystals tested. Based on this information, we have begun further optimization of this crystal form.