Macromolecular SC-XRD Experiment Record

XRD Lab Project ID: _____

Pre-Experiment information					
Date:					
	Research Group:				
Email:					
Compound:					
Derivative: ☐ no ☐ yes *If yes, describe					
Sequence / File:					
Molecular Weight:					
Purpose of study: Screening Conditions					
Expected Crystal Symmetry:					
Expected Cell Dimensions (Å, °): ab_					
Plan for Phasing: Molecular Replacement					
☐ SAD with heavy atom((s):				
☐MAD with wavelengths	S:				
Screening Information					
Sample 1 Concentration:					
Precipitant:					
Cryoprotectant:					
Other Reservoir Components:					
Crystal Color :	Crystal Shape:				
Crystal Age:	Crystal Size: :	X	x_		_mm ³
Exposure Time:	Observed Resolution				_Å
Sample 2 Concentration:	pH:				
Precipitant:	Concentration:				
Cryoprotectant:					
Other Reservoir Components:					
Crystal Color :	Crystal Shape:				
Crystal Age:	Crystal Size: :	x	X		_mm ³
Exposure Time:					
Sample 3 Concentration:	pH:				
Precipitant:					
Cryoprotectant:					
Other Reservoir Components:					
Crystal Color :					
Crystal Age:					
Exposure Time:	Observed Resolution				_Å

Sample 4 Concentration:	pH:
Precipitant:	
Cryoprotectant:	
Other Reservoir Components:	
Crystal Color :	Crystal Shape:
Crystal Age:	
Exposure Time:	
Sample 5 Concentration:	pH:
Precipitant:	Concentration:
Cryoprotectant:	
Other Reservoir Components:	
Crystal Color :	Crystal Shape:
Crystal Age:	Crystal Size: :x mm ³
Exposure Time:	Observed ResolutionÅ
Cryoprotectant: Other Reservoir Components: Crystal Color: Crystal Age: Exposure Time:	Concentration: Concentration: Crystal Shape: Crystal Size: x
Sample #: Crystal Temp:	Exposure Time (s):
X-ray source: □Cu □Mo	Generator kV: Generator mA:
Observed Crystal Symmetry: Observed Cell Dimensions (Å, °): a	Observed Resolution:Åb c
Notes:	