

Solid State and Elemental Analysis Unit: Crystallography Investigation

Print this form and complete as many details as possible, then bring it to the X-Ray Diffraction Laboratory (F10:G65) with your crystals.

User Information		Supervisor Information		
Surname	_____	Name	_____	
Given Name	_____	Signature	_____	
Work phone	_____	School/Organisation	_____	
Mobile	_____	Phone Number	_____	
Student/Staff Number	_____	Fax Number	_____	
Email	_____	Email	_____	
School/Organisation	_____			
Select User Type:	<i>Undergraduate</i>	<i>Postgraduate</i>	<i>Postdoctoral</i>	
	<i>Research Fellow</i>	<i>Visiting Fellow</i>	<i>Academic Staff</i>	
	<i>General Staff</i>	<i>External User</i>		
Account Details	Dept ID	Fund	Budget Period	Project/Grant
(Example entry)	MATSC&EN	RExxx	200x	RMO/PS

Sample Information	
Date Submitted:	___ / ___ / ___
Your Reference for this Compound:	
Proposed Empirical Formula	
Techniques used to support structure eg NMR, MS, Elemental Analysis:	
Location of Sample (eg fridge, M68, G65):	
Solvent(s) Used during preparation/crystallisation:	
Are the Crystals Air-Sensitive:	Y / N
Note: samples are retained for a maximum of 2 months	

Services	
Data Only Collection of processed data at 150K – user must solve and refine.	Y / N
Standard Service* Data collection at 150K, complete refined structure plus authenticated CIF for publication	Y / N
Standard Service plus Full Structural analysis* Analysis of final structure, eg evaluation of interactions within the crystal	Y / N
Specialised experiment , eg. variable temperature	
Other considerations , eg. stereochemistry required?	
*Co-authorship is assumed for these services, however you are welcome to discuss the issue of co-authorship and collaboration with the Crystallographer and the SSEAU Manager at any time.	

Drawing of Proposed Structure and/or Precursors (or attach printed image to this form)

Scientific Officer use only	
Job Number _____	Date Received: _____
Crystals Suitable	Y / N
Date of Unit Cell Investigation	___ / ___ / ___
Proceed to Data Collection? Unable to proceed? Problem: Date and method to inform user of problem:	Y / N _____ _____ _____ ___ / ___ / ___ email / phone / meeting
Start Date for Solution	___ / ___ / ___
Proceed to Refinement? Unable to proceed? Problem: Date and method to inform user of problem:	Y / N _____ _____ _____ ___ / ___ / ___ email / phone / meeting
Refinement Completed Unable to proceed? Problem: Date and method to inform user of problem:	Y / N _____ _____ _____ ___ / ___ / ___ email / phone / meeting
Special efforts required in the structure analysis	_____ _____ _____
Data Drawings, Tables, Dimensions Coordinates Structure Factors, Details of analysis for publication. Date and method to supply data to user:	___ / ___ / ___ email / phone / meeting