

Request for X-ray Powder Diffraction Experiment (XRD)

Lab. Book # _____

Submitted on: _____
 Advisor Name: _____
 E-mail/Phone: _____
 User Name: _____
 E-mail/Phone: _____
 Organization: _____
 Department: _____
 Address: _____

FRS#, PO#, etc. _____
 Depart. Req. No. _____
 Credit Card, Expir. _____
 Billing contact: _____
 Signature: _____

Project: _____

What information is expected to be obtained from this study:

Relevant properties of samples and materials and other info:

Experimental conditions if not listed below or not standard:

- Powder Pattern ONLY
 Database Search-Match
 Unit Cell Refinement *
 Rietveld Refinement *
 Quantitative Analysis *

* Extra: performed on request

<input type="checkbox"/> D8 Advance	2 θ _{min} [5°]
<input type="checkbox"/> C2 Discover	2 θ _{max} [90°]
<input type="checkbox"/> X'Pert MRD	2 θ _{step} [0.015°]
<input type="checkbox"/> Xeuss SAXS	Exposure, sec _____
	Spin: <input type="checkbox"/> Yes, <input type="checkbox"/> No
Temperature:	_____
Environment:	_____
Pressure:	_____

List sample names below and write # on the samples

#1 _____
 #2 _____
 #3 _____
 #4 _____
 #5 _____
 #6 _____
 #7 _____
 #8 _____

# Powder Diffraction Services ^a	Rate ^b	x	Charges
1. Equipment Usage:			
a Data Collection /sample	1		
b /hour	1		
2. Operator assistance:			
a Sample mouting & setup /sample	1/4		
b Integration(C2)/Conhvert /sample	1/4		
c Identification/search- /phase	1/4		
d Preparation (grinding) /sample	1/2		
e Special handling (e.g. /hour	1/2		
3. Supervising/Training:			
a Supervising Individ. /session	1/4		
b Training (new users) /user	3		
c Disposing/cleaning /sample	1/2		
4 Advanced Analysis:			
a Ab initio Indexing /cell	1		
b Unit Cell Refinement /cell	1/2		
c Profile/Ful Pattern /pattern	1 1/2		
d External/Internal /sample	1		
e Quant. and Rietveld /hour	3		
f Structure Determination /hour	8		

^a Base rates are provided on request.^b This column shows typical/minimal rates expressed in hours.

Total: _____

Experiment Date _____

Operator Comments and Notes

Completed on _____