

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

☐ D8 Advance	$2\theta_{\min}$ [5°]
☐ C2 Discover	$2\theta_{\max}$ [90°]
☐ X'Pert MRD	$2\theta_{\text{step}}$ [0.015°]
☐ Xeuss SAXS	Exposure, sec _____
	Spin: ☐ Yes, ☐ 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	×	Charges
1. Equipment Usage:			
a Data Collection /sample	1		
b /hour	1		
2. Operator assistance:			
a Sample mounting & 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 _____