

## Four Dimensional X-ray Microscopy, IIT Bombay, Mumbai Sample Requisition Form

1. Sample Name and ID No. (Please provide a unique ID No. to each sample)	
2. Sample material (chemistry and phases)	
3. Is the sample solid/liquid/suspension/powder/etc.? (Liquid/suspension/powder samples should be provided in a x-ray transparent sealed bottle of approximate 10mm diameter and 40mm height)	
4. Is sample biological? (biological samples should be provided in a x-ray transparent sealed bottle of approximate 10mm diameter and 40mm height)	
5. If sample is biological it would be tested only after approval by institute ethics committee	
6. What is the size of the sample (LxBxH in mm)?	
<b>7. Tomographic details:</b>	
a) What are the various phases present in the sample?	
b) Will the sample lead to x-ray absorption contrast? If not then what contrast mechanism is expected?	
c) What features/phases are to be imaged?	
d) What is the typical feature size?	
e) What is the typical volume fraction?	
f) What is the intended use of the tomography? (This is to help the operator identify what to image)	
g) What spatial resolution is required from the 3D tomography?	
h) Any other important information about the sample.	
13. Special requirements, if any?	

Authorized Signatory  
(date, place and stamp)

# **Four Dimensional X-ray Microscopy, IIT Bombay, Mumbai**

## **Non-Dangerous Material Undertaking Form**

I undertake that the provided sample (Sample Name ..... and ID No. ....)  
fulfills all the below conditions:

- is not biological toxin
- does not contain (whether dead or alive) bacteria, viruses, fungi, and parasites
- is not a part of animal testing
- is not (and cannot be) hazardous
- cannot contaminate equipment/holder
- is not radioactive
- is not poisonous and cannot become poisonous on exposure to heat/atmosphere/water/ x-rays (etc.)
- cannot cause exothermic reactions/evolve gases/liquids/etc. (including fire/explosion/etc.) on exposure to heat/atmosphere/water/ x-rays etc.

Authorized Signatory  
(date, place and stamp)

Please confirm the check list given below:

1.  Samples
2.  External Hard drives
3.  Sample Requisition Form
4.  Non-Dangerous Material Undertaking Form