



**THERMAL LABORATORY**  
Science and Engineering Research Centre (SERC)  
Engineering Campus, Uniersiti Sains Malaysia  
14300 Nibong Tebal, Penang

**DIFFERENTIAL SCANNING CALORIMETRY (DSC) REQUEST FORM**

1. Name: \_\_\_\_\_
2. Phone: \_\_\_\_\_ 3. Email: \_\_\_\_\_
3. Address: \_\_\_\_\_  
\_\_\_\_\_
4. Category:  Internal  External
5. Status:  BSc.  MSc.  PhD  Researcher  Others: \_\_\_\_\_
6. Project/Grant Title: \_\_\_\_\_  
\_\_\_\_\_
7. Project/Grant Account No. : \_\_\_\_\_
8. Project/Grant Expiry: \_\_\_\_\_  
*(Item 7 – 10 is applicable for internal applications)*
9. Type of payment: \_\_\_\_\_  
*(For external applications, please specify)*
10. No. of Samples: \_\_\_\_\_
11. Type of samples:  Polymer  Metal  Ceramic  Composites  liquid
12. Degradation temperature (Please specified) : \_\_\_\_\_
13. Temperature range (min: -90°C, max:450°C) : \_\_\_\_\_
14. Heating / cooling rate: \_\_\_\_\_
15. Condition:  Air  Nitrogen (Flow rate : \_\_\_\_\_)
16. Scanning parameter:

Reference No. : 

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***For reference: Please attach short description on the sample and analysis as guidelines; the text remains confidential unless agreed otherwise (approx. ½ to 1 page at maximum)***

***By signing this form, I take full responsibility for the payment of the services rendered:***

*Signature of the project leader/main applicant and official stamp:*

Date: \_\_\_\_\_

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**FOR INTERNAL USE**

Endorsed by;

Date received: \_\_\_\_\_

Date endorsed: \_\_\_\_\_

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**Coordinator**

**X-RAY LAB**

Science and Engineering Research Centre (SERC)

Approved by;

Date approved: \_\_\_\_\_

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**Director**

Engineering and Technology Research Platform

Science and Engineering Research Centre (SERC)

**Note:**

*Sample will be analyzed upon receiving of Purchase Order (PO)/Cheque/Payment confirmation letter.*

*Please return this booking form to:*

*Mr. Muhammad Nasrul Abu bakar/Mrs. Hariy Bt Pauzi ,Senior Science Officer*

*Thermal Lab*

*Email : [mnasrul@usm.my](mailto:mnasrul@usm.my) / [hariy@usm.my](mailto:hariy@usm.my)*

*Tel : 04-599 6510 Fax : 04-599 5397*

Reference No. : 

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Terms of Reference	
1.	Application form must be completed in duplicate.
2.	Advance booking in seven (7) days working hours.
3.	Applicants are required to process the sample at least one day before examination/analyze of sample. This is to avoid wasting of booking time.
4.	At the end of each (analyze) session, applicants are required not to leave any unprocessed samples or other relevant materials in the lab.
5.	In case of cancellation of the bookings, staff must be informed within 24 hours or more in advance.
6.	The lab provides only basic chemicals and consumables for specimen/sample preparation and examination/analyze
7.	Specimen/sample will not be accepted unless properly labeled.
8.	Kindly record the proper data in prescribed logbook.
9.	The lab bears no responsibility for loss or damage of specimen/sample after job/examination/analyze completion.
10.	Data obtain and examine will be maintain by the lab for a minimum of 2 years for PhD research only.
11.	In case of equipment malfunction during use, please notify the staff in charge.
12.	Please do not attempt any adjustment/repair of any equipment on your own.
13.	For the first time users of high end equipments (HRTEM, XPS, ICPMS, FTIR-Imaging etc.) an applicant must sit down for beginner and advance training of the required equipment, also, an officer and/or technical staff will assist, guide and supervise on the operation of the system.
14.	Appropriate attire and closed footwear must be worn at all times in EACH of research lab @ SERC.
15.	Precautions must be adhered too, to avoid personal injury, accidents or exposure to hazardous and carcinogenic materials while working in the lab
16.	Specimens/samples containing hazardous materials (infective organisms, radioactive substances and highly toxic materials) MUST NOT bring into the X-Ray Lab.