

CENTRE FOR IONICS UNIVERSITI MALAYA (C.I.U.M) RATE OF USAGE

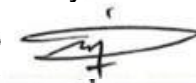
NO.	EQUIPMENTS			PRICE (RM)				
	NAME	FEATURES	REMARKS	C.I.U.M members	#Collaboration	Faculty of Science	Other faculties	External UM
1.	Fourier Transform Infrared Spectrometer (FTIR) (Model: Nicolet Summit)	Ambient temperature	NA	10 *see note	30	50	70	90
2.	Dynamic Mechanical Analysis (DMA) (Model: Q 800)	Ambient temperature to 550°C	Normal heating rate = 10°C/min. If 5°C/min , an additional charge of RM30 per sample will apply on top of the original price.	50 *see note	80	120	150	200
3.	Thermogravimetric Analysis (TGA) (Model: Q 500)	30°C to 800°C	Normal heating rate = 10°C/min. If 5°C/min , an additional charge of RM30 per sample will apply on top of the original price.	50 *see note	70	100	130	150
4.	Differential Scanning Calorimetry (DSC) (Model: Q 200)	-90°C to 400°C	<ul style="list-style-type: none"> Normal heating rate = 10°C/min. If 5°C/min, an additional charge of RM30 per sample will apply on top of the original price. An additional charge of RM20 per sample will apply for each extra cycle (Std Cycle: Heat-Cool-Heat). 	50 *see note	70	90	110	150

Notes:

- * Final year students - **F.O.C** for **5 samples** per C.I.U.M members **ONLY FOR FTIR** and payment will be **charged** if more than 5 samples.
- * PG students registered under supervision of C.I.U.M members (ONLY in UM) - **RM 10 per sample** for **FTIR** and **RM 50 per sample** for **DMA, TGA & DSC**.
- # For collaborators, please provide proof of collaboration, such as letters, etc., to obtain the service price.

31.07.2025

Verified by:



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