

Version 2 (12/10/2017)

Laboratory: Microscopy Laboratory

Faculty: Malaysia-Japan International Institute of Technology

Effective Date: 23/10/2017

Instrument	Type of analysis & Testing	MJIIT	UTM	Other University	Industry
Field Emission Scanning Electron Microscopy (FESEM)	Normal (Max 2-hrs/sample)	RM 200.00	RM 250.00	RM 300.00	RM 500.00
	Additional 1-hr	RM 80.00	RM 100.00	RM 120.00	RM 200.00
	+ EDS	RM 80.00	RM 100.00	RM 120.00	RM 200.00
	+ EBSD	RM 80.00	RM 100.00	RM 120.00	RM 200.00
FESEM (EDX Only)	Normal (Max 2-hrs/sample)	RM 80.00	RM 100.00	RM 120.00	RM 200.00
	Additional 1-hr	RM 80.00	RM 100.00	RM 120.00	RM 200.00
FIB-FESEM (Imaging)	Normal (Max 2-hrs/sample)	RM 240.00	RM 300.00	RM 360.00	RM 600.00
	Additional 1-hr	RM 80.00	RM 100.00	RM 120.00	RM 200.00
	+ EDS	RM 80.00	RM 100.00	RM 120.00	RM 200.00
	+ EBSD	RM 80.00	RM 100.00	RM 120.00	RM 200.00
FIB-FESEM (EDX Only)	Normal (Max 2-hrs/sample)	RM 80.00	RM 100.00	RM 120.00	RM 200.00
	Additional 1-hr	RM 80.00	RM 100.00	RM 120.00	RM 200.00
FIB-FESEM (with FIB)	Normal (Max 3-hrs/sample)	RM 400.00	RM 500.00	RM 600.00	RM 1,000.00
	Additional 1-hr	RM 80.00	RM 100.00	RM 120.00	RM 200.00
	+ EDS	RM 80.00	RM 100.00	RM 120.00	RM 200.00
	+ EBSD	RM 80.00	RM 100.00	RM 120.00	RM 200.00
Low Vacuum Scanning Electron Microscope (LV-SEM)	Normal (Max 2-hrs/sample)	RM 100.00	RM 125.00	RM 150.00	RM 250.00
	Additional 1-hr	RM 40.00	RM 50.00	RM 60.00	RM 100.00
	+ EDS	RM 40.00	RM 50.00	RM 60.00	RM 100.00

LV-SEM (EDX Only)	Normal (Max 2-hrs/sample)	RM 80.00	RM 100.00	RM 120.00	RM 200.00
	Additional 1-hr	RM 80.00	RM 100.00	RM 120.00	RM 200.00
Field Emission Transmission Electron Microscopy (Conventional/ STEM)	Normal (Max 2-hrs/sample)	RM 320.00	RM 400.00	RM 460.00	RM 500.00
	Additional 1-hr	RM 120.00	RM 150.00	RM 180.00	RM 300.00
	+ EDS	RM 120.00	RM 150.00	RM 180.00	RM 300.00
Ion Slicer	Per day (9:00am-4:00pm)	RM 240.00	RM 300.00	RM 360.00	RM 600.00
	Additional 1-hr	RM 80.00	RM 100.00	RM 120.00	RM 200.00
Digital Microscope	Per hour	RM40.00	RM50.00	RM60.00	RM100.00
3D Measuring Laser Microscope	Per hour	RM64.00	RM80.00	RM96.00	RM160.00
Fluorescence Microscope	Per hour	RM56.00	RM70.00	RM84.00	RM140.00
Auto-fine Coater	Per coating	RM100.00	RM100.00	RM120.00	RM300.00
Twin-jet Electropolisher	Per run	RM15.00	RM33.00	RM37.00	RM40.00
Cross-Section Polisher	Per day (9:00am-4:00pm), prepared by student	RM75.00	RM150.00	RM600.00	RM1,000.00
	Per day (9:00am-4:00pm), prepared by JEOL staff	RM150.00	RM300.00		
Polisher MA-150	Per run	RM15.00	RM33.00	RM37.00	RM40.00
Precise Trimming Device	Per run	RM15.00	RM33.00	RM37.00	RM40.00
ISOMET Low Speed Saw	Per run	RM15.00	RM33.00	RM37.00	RM40.00