

SCANNING ELECTRON MICROSCOPE LABORATORY (SEM Lab)
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Job / Token No.

Department / Project No.

Experiment	Type of analysis (Please tick ✓)	No. of samples	Sample Details	Sample Nature (Please tick ✓)	
SEM (EVO 18)	SEM scan <input type="checkbox"/>		Elements (EDS) _____ EBSD step size: _____	Conductor <input type="checkbox"/>	Solid <input type="checkbox"/>
	EDS <input type="checkbox"/>			Nonconductor <input type="checkbox"/>	Thin Film <input type="checkbox"/>
	EBSD(day) <input type="checkbox"/>				Powder <input type="checkbox"/>
	EBSD (5 – 10pm) <input type="checkbox"/>				samples should be dry state
Gold coating	60 sec <input type="checkbox"/>			Please report 15min prior to SEM slot	
Vacuum Desiccation	Half day <input type="checkbox"/> / 3 hours <input type="checkbox"/> Over night <input type="checkbox"/>			Sample should be vacuum desiccated in SEM lab, in the F/N for A/N slots & Prior evening for morning slots	

Note:

- (a) Samples loading are inclusive of slot duration (per slot 2 hours) & bring your new CD for data.
- (b) If you are novice user of EBSD, please opt for EBSD slot in day time only.
- (c) EBSD step size should be within 200 nm to 5 μm only.
- (d) Sample dimensions: lateral dimension < 2 cm and height < 1 cm.

Details of user	Details of research guide
Name _____	Name: _____
Dept. / course / Roll No. _____	Dept. / Center: _____
Phone / Email: _____	
Signature of user: _____	Signature of Supervisor / PI / HoD _____

For SEM Lab use only

Date of receipt: _____ Date & time of allotted slot _____ signature (i/c) _____

Entries to be filled by operator / TA:

No. of sample scanned: _____ Date of Experiment: _____ Log book Page No. _____

System status(after slot): _____ Name of TA / operator : _____ Signature: _____