

Usage Request Form – IITK Users

SEE Material Characterization - LCMS Facility

Sustainable Energy Engineering, IIT Kanpur

Date:

Name(PF/Roll No): _____ Email/Phone No: _____	Supervisor's Name: _____ Department: _____
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Select	Analysis	No. of Samples	Sample Type	Polarity	Expected Mass Range (m/z)	Mode		
	HPLC (PDA)		<input type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Hazardous (Type)	<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Both		<input type="checkbox"/> Scan <input type="checkbox"/> SIM (Selected Ion Monitoring)		
	LCMS (PDA + MS)							
S. N.	Sample ID and Molecular Formula	Mobile Phase Solvents (up to 4, mention ratio)	Flow Rate (0.001-10 mL/min)	Gradient /Isocratic	Sample solvent & Injection Volume (up to 100 µL)	Column Temp. (upto 85°C)	Wavelength(s) to monitor (190–950 nm)	Expected Runtime

Required Column:

☐ **C18** (250 mm x 4.6 mm x 5 µmm) - general-purpose, for non-polar analytes

☐ **C8** Analytical Column (250 mm x 4.6 mm x 5 µmm) - for moderately polar analytes

☐ **C18** Analytical Column (150 mm x 4.6 mm x 4 µmm) - for shorter run times and faster separations

Sample Preparation Checklist:

☐ Sample is fully soluble in a solvent compatible with the mobile phase.

☐ Samples and calibration standards are filtered through ≤ 0.22 µm filter.

☐ Sample volume ≥ 1 mL for injections.

☐ MSDS/safety information attached if sample is hazardous.

LAB USE	Date		Booking No		User's Signature
	Done By		Log Page No		

Kindly transfer Rs. _____ (_____ in words) from Project No. _____, expiring on _____, to Account No. LDA/IITK/SEE/2025265.

Head/PI/Supervisor

Facility Coordinator