

UCSB Chem & Biochem Mass Spectrometry Sample Submission Form

User Information

Date Submitted _____
Name _____
Room _____ Phone _____
Email _____
Research Director _____

Project Code _____

Sample Information

Sample I.D.# _____
Molecular Formula _____
Exact (Monoisotopic) Mass _____

Sample Solubility:

Sample State: (check one)

Neat liquid, Solid,
Dissolved in _____
Conc. _____
Other _____

Special handling considerations (i.e. purity, thermal stability, likely impurities, photo or air sensitivity, etc.)

Attach Sample Here

(1 to 4 mL vials (screwcap) or microcentrifuge tubes are preferred. Vials containing organic solvents must have Teflon lined cap.)

or Indicate Location _____

**Please Label Vial with
Your Name and Sample ID#**

Chemical Structure (attach separate page if necessary)

Requested Analysis

Full Scan (Low Res) MS for Molecular Weight Confirmation

Accurate Mass Measurement (High Res MS) for Elemental Composition Confirmation
(When requesting AMM attach a low res spectrum, otherwise it will be run first.)

Suggested Ionization technique (If known): **FI** **FD** **ESI** **EI** **CI** [Reagent Gas _____]

For GC/MS or LC/MS please see MS facility staff to discuss specific conditions needed.

- Please Note:** (1) When in doubt, discuss any questions/issues with MS Lab Staff prior to sample submission.
(2) Salts and detergents interfere with all MS techniques.
(3) Solvent volatility is important in MS analysis.
(4) Samples submitted for ESI MS must be soluble in AcCN, MeOH or Water, **and** so indicated above.

Analysis Report (Staff Use Only):

Date of Analysis: _____ Operator _____

Analysis/Sample Prep Comments _____

Found: _____

AMM Results: Mode _____, Ion _____, Found _____, Δ = _____ mDa, _____ ppm.