

Mass Spectrometry Analysis General Sample Submission Form

Submitter Information:

Name _____ Date _____ Phone# _____
Email _____ Advisor/Comp _____ Dept _____
Lab Location/Address _____ Account # _____
Affiliation Rice Other Academic non-Academic

Sample/Structure Information:

Sample ID _____ Chemical Formula _____
Molecular Weight _____ Confidence in structure Tentative Confident Confirmed

Describe Sample Origin (ie synthetic, biological, ect), **Purification Procedure** ie crystallization, column chromatography, ect. Also note last solvent(s) used & any buffers or detergents _____

Purity(%)

Sample Type/Amount: solid _____(mg) neat oil _____(mg)
 Solution _____(mg/mL or pmol/uL), specify Volume _____ & Solvent _____

Analysis/Desired Information: Nominal mass (low res) MS/MS @ m/z _____
 Accurate Mass (high res) Isotope Pattern Other (specify) _____

Ionization: Unknown ESI APCI MALDI **Mode/Polarity:** pos(+) neg(-)

Data/Results Returned via*: E-mail Pick up @ BRC 212

*Note all samples must be retrieved with in one week of analysis completion or they will be discarded

Solubility/Suitable Solvent(s)*: MeOH ACN CH₂Cl₂ Acetone
 1:1 MeOH:H₂O 1:1 ACN:H₂O Other (specify) _____

*note non-volatile solvents such as DMF and DMSO and solutions containing non-volatile buffers are not suitable for MS analysis.

Sample Storage: Freezer (~ -20°C) Refrigerate (~4°C)

Room Temp Other (specify) _____

Hazards: None Biohazard Carcinogen Corrosive Sensitizer
 Irritant Poison Vasodilator Volatile Radioactivity Vile Odor
 Other (specify) _____

Thermal Stability: Unknown Stable
 Decomposes @ _____ °C Detonates @ _____ °C

Reactivity/Stability: None Acid Sensitive Base Sensitive
 Air Sensitive Light Sensitive Water Sensitive Explosive
 Flammable Other (specify) _____

For Facility Use Only (Analyst Comments):