

MASS SPECTROMETRY REQUEST

Caltech CCE-MS Facility

cce.caltech.edu/research/service-centers/mass-spectrometry

Name: _____ Date: _____

Research Group: _____ Account #: _____

Phone Number: _____ Email Address: _____

Sample Information

- It is helpful to know the approximate amount provided, e.g., 0.01, 0.1 or 1.0 mg or mg/mL.

solid, neat liquid or residue (*preferred*): ~ _____ mg *or* solution: ~ _____ mg/mL in _____

Indicate any specifically challenging features that may apply to this sample:

Purity <80%?: _____ Air-Sensitive?: _____ Poor Solubility?: _____ High Toxicity?: _____

→ Please refrain from using old NMR samples that may have suffered unexpected deuteration.

Desired DataFile Name: _____

Molecular Structure (for many samples, you may provide attachment with structures, formulas):

Molecular Formula: _____ Molecular Mass: _____

Requested Analysis

a. Field Desorption (Direct analysis using JEOL AccuTOF 2000, FD/FI probe, @ 0.25 hr ea): _____

b. Field Ionization (GCMS analysis with JEOL AccuTOF 2000, FD/FI probe, @ 0.35 hr ea): _____

a or b (usually samples >250 MW will use **a** and < 250 MW will use **b**): _____

c. Electrospray Ionization (Waters LCT Premiere XE with ESI, or Agilent G6230 with ESI): _____

d. MALDI (Bruker AutoFlex, nominal mass only): _____

e. Electrospray Ionization (Thermo LCQ, nominal mass only) _____

Provide data by: paper (default): _____ or pdf via email: _____