

**MASS SPECTROMETRY REQUEST**  
**Caltech CCE-MS Facility**  
[cce.caltech.edu/research/service-centers/mass-spectrometry](http://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: \_\_\_\_\_