

# NMR Service Requisition Form

Name: \_\_\_\_\_

Sample ID Number \_\_\_\_\_

Date: \_\_\_\_\_

Supervisor: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Acct # (if not Faculty of Science) \_\_\_\_\_

Solution State \_\_\_\_\_ (complete section 1)

Solid State \_\_\_\_\_ (complete section 2)

Probable Structure

## SOLUTION STATE NMR

section 1

Solvent: \_\_\_\_\_

Exact Weight of Sample Used: \_\_\_\_\_

300 MHz \_\_\_\_\_ 400 MHz \_\_\_\_\_ 500 MHz \_\_\_\_\_

\_\_\_\_\_ Standard <sup>1</sup>H Spectrum

\_\_\_\_\_ <sup>1</sup>H Spectrum with Water Suppression

\_\_\_\_\_ Standard <sup>13</sup>C Spectrum

\_\_\_\_\_ <sup>13</sup>C DEPT Spectrum

\_\_\_\_\_ COSY

\_\_\_\_\_ 1D NOE ( peaks for irradiation) \_\_\_\_\_

\_\_\_\_\_ NOESY / ROESY

\_\_\_\_\_ HMQC

\_\_\_\_\_ HMBC

\_\_\_\_\_ Variable Temperature (specify) \_\_\_\_\_

\_\_\_\_\_ Other (specify) \_\_\_\_\_

## SOLID STATE NMR

section 2

Weight of Sample: \_\_\_\_\_

200 MHz \_\_\_\_\_ 500 MHz \_\_\_\_\_

\_\_\_\_\_ <sup>13</sup>C CP/MAS

\_\_\_\_\_ <sup>13</sup>C CP/MAS with Dipolar Dephasing

\_\_\_\_\_ <sup>29</sup>Si CP/MAS

\_\_\_\_\_ <sup>31</sup>P CP/MAS

\_\_\_\_\_ Other Nuclei (specify) \_\_\_\_\_

Please describe below what you are hoping to learn from running this sample.