

SECTOR EI MS SUBMITTAL FORM

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Name _____ E-mail: _____ Date: _____

Research adviser: _____

Signature (required for HRMS) _____

Sample name: _____ Sample name abbreviation: _____

How did you determine the compound is pure? _____

Integer molecular weight: _____ *Sample amount (~0.2 mg): _____

Empirical formula (e.g. C₁₂H₂₆N₂O₃): _____

m. p. or b. p. _____ **Solvent to dissolve: _____

Draw the structure:

Tape the sample here
(in a 1 or 2 mL vial):

Standard Conditions: EI at 70 ev, mass range 100-700, Low Resolution

Request fragment peak list? (Y/N) _____

Request high resolution? (Y/N) _____

* The detection limit for the Autospec-UltimaTM NT sector is ~200 ng. Too much compound admitted into the instrument will dirty the ion source quicker and more importantly make the calibration for high resolution MS less accurate. Therefore, it is very helpful to indicate the sample amount clearly and control it in sub-milligram level.

** This information is helpful because the submitted solid compound is sometimes dissolved in solvent first and then 1 μL of the solution is transferred to a MS sample vial. This way the sample amount admitted into the instrument can be well controlled.