

## MASS SPECTROMETRY ASSAY DEVELOPMENT QUESTIONNAIRE

Investigator: \_\_\_\_\_

Date

E-mail: \_\_\_\_\_

Phone #

Department: \_\_\_\_\_

Budget #

**How many compounds are you interested in?** \_\_\_\_\_

**Analyte Properties** (required information):

### Compound 1

**Structure** (use back of page, if needed):

**Name:**

**Empirical Formula:** \_\_\_\_\_

**Molecular Weight, ( $M_r$ ):** \_\_\_\_\_

### Compound 2

**Structure** (use back of page, if needed):

**Name:**

**Empirical Formula:** \_\_\_\_\_

**Molecular Weight, ( $M_r$ ):** \_\_\_\_\_

### Compound 3

**Structure** (use back of page, if needed):

**Name:**

**Empirical Formula:** \_\_\_\_\_

**Molecular Weight, ( $M_r$ ):** \_\_\_\_\_

### Compound 4

**Structure** (use back of page, if needed):

**Name:**

**Empirical Formula:** \_\_\_\_\_

**Molecular Weight, ( $M_r$ ):** \_\_\_\_\_

Please share any information you have about the analyte's chemical and biological stability:

Do you have a preference of for either LC or GC methodologies?

What are the time and money limitations for the development of this method?

Have you developed any separation methods for this compound?

If so, please provide your SOP?

Have you any literature relevant to this assay/study?

If so, please include with this form.

Are standards for the analyte available?

Are standards for compounds isobaric (having the same mass), such as isomers available?

Are stable isotope labeled analogs of the analyte available?

If not, what compounds do you consider suitable for use as an internal standard?

What are the Limits of Detection (LOD) required for this assay (please specify a numerical limit)?

Approximately how many samples do you expect to analyze using this method? Over what time frame?

Do you plan on having someone in your laboratory perform the MS analysis?

If you wish us to develop sample preparation from biological media, please fill out the SAMPLE PREPARATION PROTOCOL DEVELOPMENT QUESTIONNAIRE.