Request for MS Analysis Proteomics and Mass Spectrometry Core, 3 Althouse, 814-863-3503

Required fields are highlighted in blue *(instructions on page 2)*

Your name	*Your email*	*Date*	*Purpose of analysis:* Routine (< 15 ppm error) ○ Publication (< 3 ppm error) ○
PI name	*PI email*	*Budget # (optional)*	

Sample information

If the same compound is expected in several samples (fractions), no need to repeat the same information

Sample 1 ID (max. 10 characters, same as on vial):		*Sample 2 ID (max. 10 characters, same as on vial):*	
Elemental composition	*Exact mass*	*Elemental composition*	*Exact mass*
Sample 1 is in solution *Dissolved in:* *Concentration, µM:*		*Sample 2 is in solution* *Dissolved in:* *Concentration, µM:*	
or Sample 1 needs to be dissolved *Soluble in:* *Amount, mg:*		*or Sample 2 needs to be dissolved* *Soluble in:* *Amount, mg:*	
Sample 1 is purified ☐ *Sample 1 is a mixture (needs LC)* ☐		*Sample 2 is purified* ☐ *Sample 2 is a mixture (needs LC)* ☐	
Sample 1 contains non-volatile salts and/or detergents (list with concentrations)		*Sample 2 contains non-volatile salts and/or detergents (list with concentrations):*	
Notes *Sample 1 stability, toxicity, incompatible solvents, etc.*		Notes *Sample 2 stability, toxicity, incompatible solvents, etc.*	

Structures *Attach a print-out or draw here*

Sample information

If the same compound is expected in several samples (fractions), no need to repeat the same information

Sample 3 ID (max. 10 characters, same as on vial):		*Sample 4 ID (max. 10 characters, same as on vial):*	
Elemental composition	*Exact mass*	*Elemental composition*	*Exact mass*
Sample 3 is in solution *Dissolved in:*	*Concentration, µM:*	*Sample 4 is in solution* *Dissolved in:*	*Concentration, µM:*
or Sample 3 needs to be dissolved *Soluble in:*	*Amount, mg:*	*or Sample 4 needs to be dissolved* *Soluble in:*	*Amount, mg:*
Sample 3 is purified ☐ *Sample 3 is a mixture (needs LC)* ☐		*Sample 4 is purified* ☐ *Sample 4 is a mixture (needs LC)* ☐	
Sample 3 contains non-volatile salts and/or detergents (list with concentrations)		*Sample 4 contains non-volatile salts and/or detergents (list with concentrations):*	
Notes *Sample 3 stability, toxicity, incompatible solvents, etc.*		Notes *Sample 4 stability, toxicity, incompatible solvents, etc.*	

Structures *Attach a print-out or draw here*

Instructions

For 1-8 samples, use this form. For more than 8 samples, please fill out the Excel sample sequence file and email it to Tatiana.
Sample solution for ESI must be miscible with MS mobile phases (methanol, isopropanol, acetonitrile, or water) without precipitation. For MALDI-TOF, any volatile solvent can be used.
Solvents compatible with typical MS mobile phases include methanol, ethanol, isopropanol, dichloromethane, chloroform, acetonitrile, water. If your sample is not soluble in these solvents, please make a note. Weigh samples to the nearest mg.
Samples containing detergents and/or salts must be cleaned-up prior to analysis. List these compounds and their concentrations in your sample.
An example of elemental composition: CH_4O (methanol). In ChemDraw, exact mass is the monoisotopic mass. For molecules composed of C, H, O, N, S, monoisotopic mass is the sum of the masses of the lowest-mass isotopes of these elements.
List any special requests or provide additional sample information in the Notes section or attach as much information as necessary.