

Mass Spectrometry Core Services- Request for Core Use

ALL publications (abstracts, manuscripts, chapters, progress reports) that report data obtained using this Core or staff support must acknowledge support from NIH grants GM103422 (Mass Spectrometry Research), DK020579 (DRC), and DK056341 (NORC).

Principal Investigator: _____ Date of Request: _____

Campus Box: _____ Phone: _____ FAX#: _____ E-mail: _____

Funding/Agency/Grant #: _____

Project Summary:

Analyte Classes	# Samples
1. Structural identification or quantitation of complex lipids, e.g., phospholipids and sphingolipids.	
2. Fatty acids identification or quantitation.	
3. Sterols, including cholesterol and its oxidation products.	
4. Endogenous receptor ligands	
5. Polyols, e.g. sorbitol, myo-inositol, chiro-inositol, and galactitol.	
6. Amino acids and their oxidation products.	
7. [¹³ C] or [² H] or [¹⁵ N] or [¹⁸ O] enrichment in mixtures of biological substrates and their endproducts after heavy isotope-labeled precursor administration.	
8. Peptide sequencing, post-translational modifications, and assistance with protein identification (MASCOT data base searches).	
9. Select plant products (e.g., phytosterols, D-chiro-inositol, and phytoestrogens, genistein).	
10. Assistance in preparing/acquiring heavy isotope-labeled internal standards.	
11. Assistance preparing biological samples for mass spectrometry analyses (extraction, purification, derivatization), and interpreting mass spectra.	
12. Comparative metabolite or lipid profiling	
13. Assistance in identifying unknown biomolecules.	
14. Training in operating and maintaining mass spectrometry systems.	
15. Other MS-based biomolecular analysis (describe below)	

Other requests, additional comments, precautions, information, instructions (attach additional sheets, if necessary):

Please return completed form to: John Turk, MD, PhD
Mass Spectrometry Research Facility
Campus Box 8127 jturk@wustl.edu

Approval: _____ Date: _____ Priority: _____ Assigned To: _____