



Wayne State University - Lipidomics Core Facility

Summary of service charges (FY 2019-20)

Service	Sample type	Description	2019-20 rates			Notes
			WSU	Non-Profit	Corporate	
Sample Preparation:						
	Solid	Protein assay	\$38.50	\$42.35	\$84.70	<i>a</i>
		Total lipid phosphorous assay	\$55.66	\$61.23	\$153.07	<i>b</i>
	Liquid	Solid Phase Extraction	\$43.60	\$47.96	\$105.51	<i>c</i>
	Liquid	Solvent extraction	\$48.86	\$53.75	\$118.24	<i>c</i>
	Liquid	Total lipid extraction and fractionation	\$136.05	\$149.66	\$329.24	<i>d</i>
	Solid	Solid Phase Extraction	\$58.26	\$64.09	\$140.99	<i>e</i>
	Solid	Solvent extraction	\$70.93	\$78.02	\$171.66	<i>e</i>
	Solid	Total lipid extraction and fractionation	\$148.90	\$163.79	\$360.34	<i>f</i>
Quantitative Analysis:						
		Single class	\$48.62	\$53.48	\$117.66	<i>g</i>
		Multiple classes	\$66.17	\$72.79	\$181.97	<i>h</i>
		Fatty acyl lipidomics	\$101.90	\$112.09	\$280.23	<i>i</i>
		Data analysis	\$97.05	\$106.76	\$266.89	<i>j</i>
		Setup	\$93.39	\$102.73	\$226.01	<i>k</i>
Qualitative Analysis:						
		Sample Analysis (per sample)	\$242.64	\$266.90	\$667.25	<i>l</i>
		Data Analysis and consultancy (per hour)	\$131.52	\$144.67	\$361.68	<i>m</i>
		Setup	\$93.39	\$102.73	\$226.01	<i>k</i>

Notes: (these charges may change without notice)

- a.* When the core has to measure the protein concentrations of the homogenates for normalization of the analytical data (minimum charged for 6 samples)
- b.* Assay of organic phosphorus in the lipid extract that can be used for normalization of lipid data (minimum charged for 6 samples)
- c.* Extraction of lipids from liquid samples provided by the user. Choice of the method dependent on the lipids analyzed.
- d.* Extraction of total lipids from liquid samples provided by the user and fractionation of the lipid subclasses.
- e.* Homogenization and extraction of lipids from solid samples provided by the user. Choice of the method dependent on the lipids analyzed. Protein assay, if required, charged separately.
- f.* Homogenization and extraction of total lipids from solid samples provided by the user and fractionation of the lipid subclasses. Protein assay, if required, charged separately.
- g.* Analysis of any single class of lipids (e.g. HETEs, prostaglandins, non-peptido leukotrienes, etc.)
- h.* More than one class of lipids that can be analyzed together chromatographically and mass spectrometrically.
- i.* All known metabolites of polyunsaturated fatty acids from C18 to C22 (i.e. cyclooxygenase, lipoxygenase, and epoxygenase metabolites of linoleic acid to docosahexaenoic acid, including their major downstream metabolites)
- j.* No fee for the first 24 samples. Charges apply only to each additional batch of 24 samples or part thereof.
- k.* Per each batch of samples analyzed together, regardless of the number of samples in a batch.
- l.* LC-MS experiment to generate the data.
- m.* Minimum charged for 4 h. Additional charges are by the hour for data analysis. Consultancy charges are for advice on experimental planning, data interpretation, etc., and are charged in 15 min units.