

**Mass Spectrometry Laboratory at LTRI, Dr. Jim Dennis**  
 Metabolite analysis by LC-MS/MS Triple Quad 5500), Laboratory

**Lunenfeld-Tanenbaum Research Institute**, R988, Mount Sinai Hospital, 600 University Ave.,  
 Toronto, ON, Canada M5G 1X5. Tel. 416-586-4800 Ext. 7580 (Judy Pawling) or 8268 (Lab)  
**Email order form to Judy Pawling ([pawling@lunenfeld.ca](mailto:pawling@lunenfeld.ca))**

Client Information	Cost Recovery (please enquire)
Date Submitted: yyyy/mm/dd	Bill to:
Submitted by:	Address:
Supervisor:	
Institution:	Sinai Cost Centre:
E-mail:	Credit Card: Name on card:
Telephone:	Credit Card Number:
Fax:	Credit Card Expiry Date (mm/yy):

Send samples to shipping address above or drop off by arrangement at rm871 or 988 from 10 a.m. to 4 p.m. weekdays.

**Sample Information:** Samples (cells, tissue or serum) should be prepared for extraction from five or more technical or biological replicates as per our instructions, provided by Judy Pawling. Please email for the instructions. ([pawling@lunenfeld.ca](mailto:pawling@lunenfeld.ca))

Sample Identification (in excel file format) *	Sample and Replicate Numbering (control should be first) *	Normalization values (Cell No., Protein, other) *	Heavy atom labeled ( <sup>13</sup> C, <sup>15</sup> N)	Metabolite extraction by staff at LTRI (Yes/No)	Other Considerations	Service types (See below)
Eg. wt	Eg. Wt A to E	Cell #	No	Yes		Eg. 1,2,3,4,6

**\*In an excel file, with control first. Attach additional page if required.**

**AVAILABLE SERVICES:**

1. Identification of targeted metabolites present in samples. (See Abdel Rahman AM et al. Anal Chim Acta.; 845:53, 2014).
2. Identification of additional metabolites (this requires provision of a pure standard).
3. Peak confirmation and normalization and final Excel format output.
4. Data Processing using MetaboAnalyst (<http://www.metaboanalyst.ca/MetaboAnalyst/>).
5. Analysis using heavy labeled samples <sup>2</sup>H, <sup>13</sup>C, <sup>15</sup>N.
6. Sample extraction.

**For additional information** email Judy Pawling ([pawling@lunenfeld.ca](mailto:pawling@lunenfeld.ca))

N.B.: SAMPLES WILL BE STORED in Dr. Dennis' lab for only ONE month after analysis is completed.