The pricing structure listed below is effective as of July 1, 2019. Standard services are listed; minutes refer to gradient time. Unless otherwise noted, pricing includes acquisition of raw LC/MS/MS data, post-acquisition basic database (DB) search, and quantification (where applicable). Services for the Metabolic Phenotyping Mass Spectrometry (MPMS) unit are also included. For custom projects, please consult the PMC/MPMS Directors for a quote.

**Proteomics and Untargeted Metabolomics:**

**Protein iTRAQ (isobaric tags for relative and absolute quantification)/TMT (tandem mass tags) labeling:**

- 4-plex: $742.63
- 6-plex: $1,060.90
- 8-plex: $1,326.13
- 10-plex: $1432.22

**Protein identification:**
LC/MS/MS, DB search, note: does not include sample digestion/preparation

- RP LC/MS/MS (30 min): $74.26/run
- RP LC/MS/MS (60 min): $116.70/run
- RP LC/MS/MS (120 min): $185.40/run
- RP LC/MS/MS (2400 min): $318.27/run

**Protein identification and mapping of specified post-translational modifications (PTM):**
LC/MS/MS, DB/PTM search, note: does not include sample digestion/preparation

- RP LC/MS/MS (60 min): $116.70/sample
- RP LC/MS/MS (120 min): $190.96/sample
- RP LC/MS/MS (240 min): $318.27/sample
- Search for specified PTMs: $31.83/PTM

**Differential protein expression analysis by iTRAQ/PMT (reporter ion quantification):**
LC/MS/MS, DB search/quantification, note: does not include sample labeling/preparation

- Unfractionated mixture of labeled peptides, 2hr RP-LC/MS/MS: $212.18/run
- Unfractionated mixture of labeled Peptides, 4hr RP-LC/MS/MS: $350.10/run

**Differential protein expression analysis by SILAC analysis (precursor ion quantification):**
LC/MS/MS, DB search/quantification, note: does not include sample labeling/preparation

- Unfractionated mixture of labeled peptides, 2hr RP-LC/MS/MS: $212.18/run
- Unfractionated mixture of labeled Peptides, 4hr RP-LC/MS/MS: $350.10/run

**Protein differential expression analysis, MudPIT:**
MudPit, DB search, note: does not include sample digestion/preparation; 2hr RP-LC/MS/MS/fraction:

<table>
<thead>
<tr>
<th>Step Fractions</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 (SCX or HpHRP) step fractions</td>
<td>$159.14</td>
</tr>
<tr>
<td>7-12 (SCX or HpHRP) step fractions</td>
<td>$153.83</td>
</tr>
<tr>
<td>&gt;12 (SCX or HpHRP) step fractions</td>
<td>$148.53</td>
</tr>
</tbody>
</table>

Absolute quantification of specified (targeted) proteins (parallel reaction monitoring):
PRM analysis for peptide quantification, note: does not include sample digestion/preparation

<table>
<thead>
<tr>
<th>Analysis Time</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC/MC/MS (30 min)</td>
<td>$84.87/run</td>
</tr>
<tr>
<td>LC/MS/MS (60 min)</td>
<td>$132.61/run</td>
</tr>
<tr>
<td>LC/MS/MS (120 min)</td>
<td>$212.18/run</td>
</tr>
</tbody>
</table>

Absolute quantification of specified metabolites/small molecules:
LC/MS/MS, post-acquisition analysis, calibration Curve, internal standard, AUC quantification

<table>
<thead>
<tr>
<th>Analysis Time</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC/MS/MS (15 min):</td>
<td>$18.04/run</td>
</tr>
<tr>
<td>LC/MS/MS (30 min):</td>
<td>$31.83/run</td>
</tr>
</tbody>
</table>

Differential quantification of metabolites – untargeted analysis
LC/HRAM-MS/MS, post-acquisition analysis, HRAM AUC Quantification, MS/MS identification

<table>
<thead>
<tr>
<th>Analysis Time</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC/MS/MS (15 min):</td>
<td>$31.83/run</td>
</tr>
<tr>
<td>LC/MS/MS (30 min):</td>
<td>$53.05/run</td>
</tr>
</tbody>
</table>

NEW! Volume Discount for PMC Bulk MS runs:

The volume MS “run” discount rate does not include reagents or kits, such as the TMT kit for isobaric labeling, or labor-intensive steps, such as sample processing, but will be applied to MS “runs”.

The below volume discount rate will be applied if samples are submitted simultaneously for processing in bulk*, or after the volume threshold has been met for the current FY.

<table>
<thead>
<tr>
<th>MS Runs</th>
<th>Discount</th>
</tr>
</thead>
<tbody>
<tr>
<td>30-49</td>
<td>10%</td>
</tr>
<tr>
<td>50-99</td>
<td>15%</td>
</tr>
<tr>
<td>100+</td>
<td>20%</td>
</tr>
</tbody>
</table>

*If samples are submitted piecemeal, then the volume discount will be applied only for those MS runs that exceed the discount threshold. For example, if a PI submits three sets of samples requiring 15, then 10, then 20 MS runs, for a total of 45 MS runs that are completed at different times on separate iLab service requests, then the discount would be applied at MS run #31 onwards.
The Metabolic Phenotyping Mass Spectrometry (MPMS) Unit:
Directed by Michelle Puchowicz, Ph.D., Department of Pediatrics
For unique projects, please request a consultation

Citric Acid Cycle-related intermediates

- Metabolite concentrations: $100/run
- Metabolite enrichments -MPE (2h, 13C): $75/run
- Both concentration/MPE: $150/run
- Search for specified PTMs: Please inquire

Total Protein / Protein Turnover

- Via D20 water method: $50/run
- Tracer infusion method: $150/run

Glucose or Glycerol:

- Concentrations: $50/run
- Enrichments -MPE (2H, 13C): $35/run
- Glucose and Glycerol: $100/run

Lipids:

- Total fatty acid profile (C10-C18/sat./unsat.): $125/run
- Fatty acid /Cholesterol: $125/run
- Isotopomer analysis (MPE): $100/run
- Sterols special-select: $80/run
- Synthesis- fractional rates (D20 method): $150/run

Use of GC-MS/MS by Trained Users (at discretion of the MPMS Director):

- Standard-EI mode (60 min): $110/run
- Extended-CI mode (60 min): $150/run
- Duplicate runs: $50/run

Consultation: $100/consult

High volume discounts, MPMS: High-volume discounts will be provided to core users as negotiated with the MPMS Core Director and as approved by the Associate Vice Chancellor for Research-Cores (typically >100 samples).

Academic, External or Commercial Services: Please contact the PMC or MPMS Unit for a quote.