General Information:

- For technique training, contact the ULAM Training Core at ulam-trainingcore@umich.edu or (734) 763-8039.
- For assistance with sample collection, contact ULAM Technical Services at ulam-techservices@umich.edu.
- For questions about specific chemistry volumes, contact us at (734) 936-3395 or (734) 936-3803.

Minimum Volumes:

- **CBC (Complete Blood Count):**
  - For small species (rodents), draw minimum 50µl whole blood in lavender (EDTA) Microvette 100 tube (If using 250µL tubes draw minimum 125µl)
  - For larger species draw up to the listed draw volume: note that we do not accept tubes >4 ml
  - Other anticoagulants may interfere with results
  - Immediately and thoroughly mix sample after drawing by inverting 8-10 times
  - Keep at room temperature, **NOT** on ice; refrigerate at 4˚C if must be stored overnight
  - CBC samples cannot be analyzed after 24 hours

- **Chemistries:**
  - Chemistries are performed on serum or heparinized plasma
  - Blood may be collected in the serum separator microtainer (yellow), plasma tubes (green), or no–additive serum tubes (red top). Serum volume recovery is best in serum separator tubes (yellow).
  - Normally, half the volume of whole blood is serum (i.e. 100 µl whole blood gives 50 µl serum)
  - Allow blood to clot for ~30 minutes, then centrifuge sample for 8-10 minutes at 1000-3000 g
  - If samples will not be run for > 24 hours or more, spin and separate serum, then freeze serum at -20ºC.

Submission Notes:

- A current account number (short code) must always be given
- Syringes with needles, glass sample tubes, or tubes with volumes >4 ml will NOT be accepted
- If running chemistries the only anticoagulant that is acceptable for plasma is lithium heparin (no citrate!)
- Fecal specimens must be in proper containers (no gloves)
- Urine samples should be clean catch in a sterile container
- Microbiology samples should be submitted promptly after collection

Supplies:

Though the ADL does not provide supplies, we do have a list of sources. Please ensure that you purchase plastic (not glass) tubes of appropriate volume for the species - note we cannot accommodate tube volumes>4 ml.

<table>
<thead>
<tr>
<th>Item (draw volume)</th>
<th>Usage</th>
<th>Vendor</th>
<th>Catalog #</th>
<th>Mfr</th>
<th>Mfr #</th>
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<tr>
<td>Serum Separator Microtainer</td>
<td>Chemistries, Serology</td>
<td>Fisher</td>
<td>02-675-185</td>
<td>BD</td>
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<td>Fisher</td>
<td>NC9299309</td>
<td>Sarsted</td>
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<td>Fisher</td>
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<td>Fisher</td>
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<td>BD</td>
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<tr>
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<td>Fisher</td>
<td>02-683-99B</td>
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<td>Fisher</td>
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<td>Culturette collection system</td>
<td>Microbiology swabs</td>
<td>Fisher</td>
<td>B432009x</td>
<td>BD</td>
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