ABOUT US
The Analytical Chemistry Services (ACS) Section of the Iowa State University Veterinary Diagnostic Laboratory (ISU-VDL) offers a large variety of analytical chemistry testing services. The ACS Section's routine testing services are focused in the areas of toxicology and nutrition and include a menu of tests which are offered on a regular weekly schedule. The ACS Section also offers Analytical Chemistry Research Services and can develop customized analytical methods tailored for particular projects.
## OUR SERVICES

### FREQUENTLY REQUESTED TESTS

<table>
<thead>
<tr>
<th>Trace Mineral Panel</th>
<th>Vitamin A and E</th>
<th>Vitamin D (25-hydroxy)</th>
<th>Nitrate/Nitrite</th>
<th>Mass Spectrometry Screen Combined</th>
</tr>
</thead>
<tbody>
<tr>
<td>SERUM, TISSUE, AND FEED</td>
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<td>SERUM</td>
<td>OCULAR FLUID, FEED, WATER</td>
<td>GI CONTENTS, TISSUES, AND FEEDS includes GC/MS and LC/MS</td>
</tr>
</tbody>
</table>

### ADDITIONAL TESTING:

- **general veterinary drugs** in various sample types
- **harmful algal bloom toxins** in water
- **beta lactam antibiotics** in milk
- **anticoagulant rodenticides** in liver and blood
- **bone profile** (includes bone ash, bone density, calcium, and phosphorus)

Please visit the ISU-VDL's Tests and Fees web page for a current list of the ACS Section's tests offered, testing schedule, fees, and turn-around times:

PLUS MANY MORE ➔
In addition to providing world-class routine diagnostic testing services, the ACS Section also provides analytical support for various research projects. The ACS Section can develop customized analytical methods tailored for particular projects. Common projects requiring analytical support include: pharmacokinetic studies, veterinary drug residue analyses, and environmental contaminant analyses. The lab has significant expertise in small molecule quantitative and qualitative analyses.

For additional information or to complete a Research Projects Request Form, please visit the ACS Section’s Research Services web page: 

vetmed.iastate.edu/vdl/laboratory/analytical-chemistry-services/research-analytical-support