Our Services
The Toxicology Section now offers heavy metal analysis and toxic chlorinated pesticide analysis on Dried Blood Spots (DBS) to offer more flexibility to clients. DBS technology is of particular interest to clients performing field research, examining large populations, working on animals with small volumes (e.g., avian, amphibian, reptilian, newborns, etc.). The lab uses ICP/MS and gas chromatography for these tests. Results are provided with interpretations by our toxicologist and/or analytical chemist.

DBS Diagnostics
Current tests include Toxic Elements - DBS (order code 70200) for heavy metals (As, Cd, Pb, Hg, Se, Tl) which affect the CNS, kidneys, liver and other vital organs, and Chlorinated Compounds - DBS (order code 70203) for persistent organic pollutants (DDT, lindane, PCB-153), which cause hyperexcitability, seizures, and reproduction failures. Metals are quantified by ICP/MS and persistent organic pollutants by GC-ECD. Additional applications for DBS are being developed, including DBS-cyanide, DBS-micro nutritional elements (Co, Mo, Mn, Cr), DBS-hematocrit and DBS-glomerular filtration rate.

Sample Collection and Submission
Our Dried Blood Spot Kit (order code 99604) is also available. The kit is good for 25 spots and includes complete materials for sample collection and submission. The simple methodology: 50uL blood are applied to filter paper, dried four hours, and sealed in a bag with desiccant, then mailed by regular mail without ice packs. Substantial discounts are available for submissions of 11 or more specimens.

For more information, please contact the Toxicology lab at 517.353.1683, or visit our website at animalhealth.msu.edu.
DCPAH is a full-service veterinary diagnostic laboratory, fully accredited by the AAVLD for all species through 2017.

Sample Submission Forms
Visit our website at animalhealth.msu.edu to access our most current submittal forms. Customized forms preprinted with your clinic information are also available at no cost via the Product Order Form.

Unbeatable Shipping
DCPAH offers a variety of shipping options. Our mailers comply with U.S. Postal Service, FedEx, UPS, and DHL regulations. All UPS mailers include prepaid overnight weekday delivery. All U.S. Postal Service mailers include prepaid delivery; delivery time will vary depending on your location.

Order Mailing Supplies
Individual, insulated, and biopsy mailers are available. Contact us at 517.353.1683 or complete the Product Order Form available online at animalhealth.msu.edu.

Packaging and Mailing Samples
For shipping recommendations for individual tests, please refer to the information provided at animalhealth.msu.edu under “Available Tests.”

Speak Directly to Experts
Our veterinary professionals are available for consultation and can help you interpret your test results to better manage the health of animals entrusted to you.

Get Results by Email and Online
Had it with the fax machine? Contact us at 517.353.1683 to have results delivered by email.

All DCPAH clients also have free, quick access to view results online through WebView. Reports are posted to the web hourly. Visit animalhealth.msu.edu and click “Log In” to request access to your diagnostic results.

Expect Quality in Testing and Service
DCPAH is a leader in establishing technical guidelines for public veterinary diagnostic laboratories in the United States and maintains a quality assurance team dedicated to promoting accuracy and reliability.

Customer Service Hours
Monday through Friday, 7:30 a.m. to 5:30 p.m. EST