

Laboratory Diagnostics

One of the key aspects of veterinary medicine is being able to evaluate patients who cannot speak for themselves. We determine as much as we can from history provided by the pet guardian, but many times, the true essence of the problem can only be identified through laboratory testing. And even more importantly, the progress of the patient, the response to therapy is best measured by repeat testing.

Our hospital staff can perform many routine laboratory tests in house, with results available from minutes to hours, depending on the test. Below are some of the routine tests we can provide at our hospital:

- Complete Blood Counts, with cell differentiation and microscopic analysis
- Complete Blood Chemistry analysis evaluating common liver and kidney screening enzymes, glucose and other primary blood components
- Serum Electrolyte for evaluation and monitoring of fluid therapy
- Fecal examination / screening for parasitic infestation and bacterial infection
- Antigen and Antibody Heartworm testing for dogs and cats
- Cytology for infectious and neoplastic conditions
- Coagulation screening for blood clotting abilities
- Blood Gas determinations for patients with respiratory problems or abnormalities of the red blood cells
- Complete Urinalys and sedimentation for evaluation of both the upper and lower urinary tract
- Dermatophyte cultures to detect fungal skin infections
- Dermatological parasite detection via skin scrape

In addition to our thorough in-house laboratory services, we also provide advanced diagnostic laboratory services through several commercial veterinary diagnostic laboratories, including Antech Diagnostics, Auburn University Clinical Pathology and Oncology services, and the Charles S. Roberts Veterinary Diagnostic Laboratory in Auburn Alabama. Through these laboratories, we are able to provide advanced diagnostic services such as:

- Advanced cytology services with evaluation by Board Certified Veterinary Pathologists
- Histopathology of tissues from surgical biopsies and resections of tumors

- Endocrine (Hormonal) testing for diseases of the thyroid, adrenal, pituitary, parathyroid, testes and ovaries.
- Bone Marrow cytology for critical evaluation in cases of anemia, and other blood disorders
- Serology testing for viral and rickettsial diseases such as Feline Infectious Peritonitis, Rocky Mountain Spotted Fever, Lyme disease, Borreliosis and others
- Bacterial, Fungal and Viral culture and sensitivity testing