SERVICES:
The laboratory is staffed with highly trained microbiologists who plate specimens on selective and differential media to optimize recovery of pathogens.

We also can provide rapid assessment of specimens by Gram stain, acid fast stain, or LPCB for fungi. Some pathogens that are fastidious or slow growing are best detected by PCR assays such as Mycoplasma, Mycobacterium, Leptospira. In addition we characterize E. coli, Clostridium, and Strep. equi virulence genes.

We are currently using state of the art instrumentation to identify bacterial and fungal pathogens of many animal species.

Turnaround times have been reduced by 1-2 days and the level of speciation has improved dramatically based upon the use of matrix assisted laser desorption/ionizing time of flight mass spectrometry (MALDI-TOF MS) colonies, drawing on a database of more than 5,000 distinct pathogens.

To answer more specific questions please email vdilmicro@vetmed.illinois.edu, or contact the lab directly at (217) 333-3577.
EQUIPMENT:

**Bruker® MALDI-TOF**
Database includes over 6,000 organisms of human and veterinary significance. Identification from an isolated colony can be accomplished in minutes.

We also provide antimicrobial susceptibility testing using minimal inhibitory concentration methods (MIC) with the latest CLSI interpretation and FDA recommendations.

Specific panels for:

- Companion animals
- Bovine/Porcine
- Equine
- Poultry
- Urinary Tract Infections
- Mastitis
- Ophthalmic infections
- Anaerobes
- Mycobacteria
- Yeast
- Rapidly growing fungi
- Extended Spectra

AND individual drug Disks or E-strips allow us to further tailor testing for the appropriate antimicrobials for your patient.

**Correspondence**
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**Client Services**
phone: (217) 333-1620
e-mail: vdloffice@vetmed.illinois.edu

**Diagnostic Specimen Receiving**
phone: (217) 244-7630     fax: (217) 244-2439

**Laboratory Hours:**
Monday–Friday     8 a.m. to 5 p.m.