



Veterinary Medical Diagnostic Lab

UNIVERSITY of MISSOURI

Under the 'Scope

Summer 2014

The VMDL now offers an electronic version of the sample submission form. You can simply type free text into the fields you used to have to handwrite in. Stop by the following link to download this free resource:

http://vmdl.missouri.edu/Submission_rcvf.pdf

A Message from the Director



Dr. Shuping Zhang

Access to Online Lab Results

We are pleased to announce that veterinarian's can now gain access to their lab results 24

hours per day.

Our easy to use technology allows clients to quickly retrieve needed information when it is most convenient for them. Previously you may have been unable to reach us outside the normal 8 a.m. - 5 p.m. business hours.

Additional service features include the ability to track the status of your sample by logging in to see if your results have been posted; as well as, being able to print paperwork you may have lost or misplaced.

To register for this free service, visit the following link and click on "New Users Click Here." We hope this greatly improves the efficiency of both your business and ours.

<https://portal.cvm.missouri.edu/>

New Clinical Pathology Test: Multiple Lymph Node Cytology

The Clinical Pathology Section is now offering a Multiple Lymph Node Cytology test. Cytology specimens from up to four different lymph nodes will be evaluated for one charge of \$46.00. Each slide should be labeled as to which node it came from.

OTHER NEWS

Johne's Disease



Dr. Bill Fales

Mycobacterium avium ss *paratuberculosis* is the etiologic agent of Johne's disease and notoriously slow to grow in culture. Culture techniques have been upgraded with the new

Versa Trek culture system which now allows heavy fecal shedders to be detected in 10 days of incubation or less. Moderate shedders can be detected in 20 days and low shedders may require 45 days. Heavy shedders typically produced 300 Johne's bacilli/gram of feces whereas moderate shedders produce 30 -300 and low shedders 30 or less. The direct PCR test offers excellent turnaround time, but may not detect the low shedders, thus culture can still be useful.

PCR Update: Tick Panel

The Tick panel we run will be modified to detect the presence of Ehrlichia spp., Rickettsia spp., and Anaplasma spp. Detection of Lyme disease (*Borrelia burgdorferi*) will still be offered as an individual test and the SNAP tests offered in many clinics detect natural exposure to this pathogen. By narrowing our focus from four parameters to the three more commonly identified organisms mentioned above, we were able to reduce the test cost. This \$10 reduction represents a 20% savings for our clients. Our new \$40 test price is set to deliver a better value for our veterinarian's and their (owner) clients.