



MISSISSIPPI STATE UNIVERSITY  
College of Veterinary Medicine



240 Wise Center Drive, College of Veterinary Medicine  
Mississippi State University, Mississippi State MS 39762

**Cyclosporine Pharmacodynamic Assay (Immune Function via PCR Assay for IL-2). Cost: \$125**

**VETERINARY INFORMATION:** *(type in the following information preferably in bold letters)*

Veterinarian: \_\_\_\_\_

Clinic: \_\_\_\_\_

Mailing Address, City, State, Zip Code: \_\_\_\_\_

Telephone: (\_\_\_\_) \_\_\_\_-\_\_\_\_ Fax: (\_\_\_\_) \_\_\_\_-\_\_\_\_ E-mail: \_\_\_\_\_

Report Results via: Fax \_\_\_\_ E-mail \_\_\_\_

**PATIENT / OWNER INFORMATION:**

Patient Name: \_\_\_\_\_ Owner: \_\_\_\_\_

Case/Ref Number: \_\_\_\_\_ Weight (kg): \_\_\_\_\_

Signalment: \_\_\_\_\_ Patient Diagnosis: \_\_\_\_\_

Relevant History (including abnormal lab results): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Clinical signs controlled? Yes \_\_\_\_ No \_\_\_\_

Recent and current treatments (all drugs and doses): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**CYCLOSPORINE SAMPLE INFORMATION:**

Preparation/Manufacturer/Pharmacy: \_\_\_\_\_

Date/Time samples collected: \_\_\_\_\_

Collected \_\_\_\_\_ hours after cyclosporine dose administered

Dose (mg/kg): \_\_\_\_\_ every: \_\_\_\_ 12 hours or \_\_\_\_ 24 hours or \_\_\_\_ other: \_\_\_\_

How long at current dose? \_\_\_\_\_ days/months

***Sample Required:*** Minimum of 3 mL of blood needed for per sample in a heparinized blood tube (green top). Blood beyond 3 mL is always appreciated.  
Cost of the assay is \$125 per submission

- *Samples should be submitted at least one week after commencing cyclosporine therapy or one week after making a cyclosporine dosage adjustment.*
  - *Sample can be submitted earlier, at any time during first week of dosing, but please contact our clinicians first to discuss.*
  - *For dogs on twice daily dosing, we request a single peak sample be submitted (2-3 hours post-dosing).*
  - *For dogs on once a day dosing, we request a peak (2-3 hours post dosing) as well as a trough sample (right before the next dosage) in order to determine the amount of immune suppression and recovery that is occurring in the individual animal during the dosing interval. (\$125 for both samples)*
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- **Sample should be chilled but not frozen, so sample is best submitted double bagged with an icepack in an insulated container and shipped within a Styrofoam box.**
  - **Mailed samples should be shipped for overnight delivery, as samples must be processed within 48 hours of blood collection.**
  - **Mailed samples should be received by our lab Tuesday through Thursday. Samples should not be received on Monday or Friday or be sent during holidays.**
  - **Results are available typically by late Wednesday afternoons of the week after the sample arrives. We will contact the veterinarian with results.**
  - **You do not need to set up an account prior to submission of samples. Invoices will be mailed to you at the end of each month.**
  - **We can only accept samples from dogs. We cannot use this assay in samples from cats.**

**Shipping Address:**      *Diagnostic Laboratory Services  
Attn: Archer/Mackin Pharmacodynamic Laboratory  
Mississippi State University College of Vet Medicine  
240 Wise Center Drive  
Mississippi State, MS 39762*

## **CONTACT:**

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(662) 312-8836

*Please feel free to contact us if you have any questions regarding sample submission, or results.*

## **CLINICIANS:**

**Dr. Todd Archer**, Associate Professor: [tarcher@cvm.msstate.edu](mailto:tarcher@cvm.msstate.edu); (662) 325-1226

**Dr. Andrew Mackin**, Professor and Department Head: [mackin@cvm.msstate.edu](mailto:mackin@cvm.msstate.edu); (662) 418-3277