



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

Do you wish to be called by our clinicians to discuss results? Yes _____ No _____

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)*
-
- **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:

Santosh Kumar T K, Research Associate III: santydolby@gmail.com; (662) 312-8836

Please contact Santosh with any questions regarding sample submission, or results.

CLINICIANS:

Dr. Todd Archer, Associate Professor: tarcher@cvm.msstate.edu; (662) 312-3421

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