



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)

Veterinary Information:

Veterinarian: _____

Clinic: _____

Mailing Address, City, State, Zip Code: _____

Telephone: (____) _____ Fax: (____) _____

E-mail: _____

Report Results Via: _____ Fax _____ E-mail _____ Other: _____

Patient/Owner Information:

Patient Name: _____ Case/Ref Number: _____

Owner: _____

Dog Breed: _____ Age: _____ Weight: _____

Circle One: M / F Intact / Neutered / Unknown

Patient Diagnosis: _____

Relevant History (including abnormal lab results): _____

Clinical signs controlled? _____ Yes _____ No

Recent and current treatments (all drugs and doses): _____

Sample Information:

Date/Time Sample(s) Collected: _____

Collected _____ hours after cyclosporine dose administered

Preparation: _____ Atopica _____ Neoral _____ Generic _____ Compounded _____ Sandimmune

Manufacturer/Pharmacy: _____

Dose: _____ □ mg/kg □ mg Every: _____ 8hrs _____ 12hrs _____ 24hrs Other: _____

How long at current dose? _____ d/m/y Route: _____

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

If yes: _____ By Phone _____ By Email

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 \$75 per submission

- Ideally:**
- *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. (\$75 for both samples)*

- ★ **Sample should be chilled but not frozen, so sample is best submitted with an icepack in an insulated container.**
- ★ **Samples should be double bagged 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 on Wednesday 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 (please use FedEx): Amber Osborne
Diagnostic Laboratory Services
Mississippi State University College of Vet Medicine
240 Wise Center Drive
Mississippi State, MS 39762
Attention: Archer/Mackin Pharmacodynamic Laboratory

Laboratory Contact:

Santosh Kumar T K, Research Associate III

Email: santydolby@gmail.com

Telephone: (662) 312-8836

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

Contact 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

Lab Use Only

Sample #:

Date Received:

Date RNA Extraction:

Date Assay Run: