

RE: New Testing Now Available

## Marshfield Labs is excited to announce the launch of flow cytometry for veterinary patients!

Flow cytometry is a powerful, clinically proven tool that enables a fast, accurate, and efficient diagnosis.

Establishing a diagnosis of lymphoma or leukemia is often straightforward, using such techniques as biopsy, cytology, and blood smear/CBC evaluation. However, some diagnoses are equivocal. Flow cytometry uses a panel of fluorescently tagged antibodies to analyze cell phenotype, size, and complexity.

This not only aids in confirming a diagnosis of suspected lymphoma or leukemia, but can also provide valuable prognostic information and further characterization of already diagnosed lymphoid malignancy.

### Advantages of flow cytometry at Marshfield Labs:

- Can help distinguish between a reactive process & neoplasia
- Can distinguish between myeloid vs lymphoid neoplasia
- Gives more detail than PARR
- Enables determination of phenotype (i.e. T vs. B cell), and more thorough characterization (i.e. CD4 vs CD8)
- Reduced turn around time with in-house testing
- Can offer useful prognostic information

Test Info:            **VFLOWC**                            **Flow Cytometry**                            **\*contact your Account Executive for pricing**

Specimen requirements: We are currently accepting canine and feline blood samples for analysis. Work is in progress to offer analysis of solid tissue aspirates.

1 ml EDTA blood, 2 fresh blood smears and a 2<sup>nd</sup> EDTA tube to perform a concurrent CBC are required (results from a CBC performed within 48 of submission of the flow cytometric specimen can be submitted in lieu of a 2<sup>nd</sup> tube for a CBC).

Cells must be viable to enable interpretation by a pathologist. Submission of a blood sample within 48 hours of collection is requested for optimum cell viability. If flow cytometry cannot be performed, there is a \$52.00 viability charge.

Results are generally available 48 hours from the day of analysis, and are interpreted by board certified veterinary clinical pathologists.

If you have any questions about this assay or if you would like to know if it would be appropriate for a case, please call 800-222-5835, as one of our pathologists would be happy to discuss it with you!