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FRY LABORATORIES, L.L.C.

Test Descriptions

Microscopy Tests:

Stained Smear Blood Tests:

Stained Smear MMG (87207): This test is a Modified May-Grünwald stain developed by our lab to detect blood borne infections. A photograph and a report will be generated of the laboratory's findings.

Traditional Giemsa (87205): This smear is used to confirm blood borne infections found on the Stained Smear using a thin and thick smear preparation.

Advanced Stains:

Fluorescent DNA Stain (87206): This cutting edge test is not available anywhere else and uses highly specific DNA dyes to aid in visualizing infections and blood-borne biofilm communities. A photograph and a report will be generated of the laboratory's findings.

Organismal Enrichment (87205): As an automatic reflex if the Fluorescent DNA Stain test does not yield results a protocol to produce higher yield of detectable parasitic infections and biofilm structures is performed. In the absence of a Fluorescent DNA Stain result a photograph and report will be generated using the laboratory's findings from this test.

Serologic Tests:

Babesia microti IgG & IgM (86753): Both IgG and IgM antibodies to *Babesia microti* are tested with an indirect immunofluorescent assay.

Lyme Western Blot (86617): This test detects antibodies to various proteins to the lyme spirochete – *Borrelia burgdorferi*. We test for both IgG and IgM antibodies and follow the CDC criteria for lyme disease. A positive test is indicated with two or more IgM bands or 5 or more IgG protein bands.

Ehrlichia IgG & IgM (86666): This test uses immunofluorescent technology to detect both IgG and IgM antibodies to *Ehrlichia chaffeensis* (Human monocytic ehrlichiosis).

Anaplasma IgG & IgM (86666): This test uses immunofluorescent technology to detect both IgG and IgM antibodies to *Anaplasma phagocytophilum*. (Human granulocytic ehrlichiosis).

Bartonella IgG & IgM (86611): This immunofluorescent assay detects both IgG and IgM antibodies to *Bartonella henselae* and *Bartonella quintana*.

Rickettsia IgG & IgM (86757): This immunofluorescent assay detects IgG and IgM antibodies to *Rickettsia rickettsii* (Rocky Mountain Spotted Fever) and *Rickettsia typhi* (Typhus Fever Group).

Q-Fever (aka *Coxiella burnetii*) (86638): This immunofluorescent assay detects IgG and IgM antibodies to phase I and II of *Coxiella burnetii*.

Toxoplasma IgG & IgM (86777, 86778): This immunofluorescent assay detects IgG and IgM antibodies to *Toxoplasma gondii*.

Molecular Diagnostics (PCR) Tests:

***Babesia* spp. by PCR (87798):** Screens for all 28 *Babesia* species by our highly sensitive proprietary PCR method. Ticks and other biting insects can also be tested.

***Toxoplasma* spp. by PCR (87798):** Screens for *Toxoplasma* species by our highly sensitive PCR method.

***Bartonella* spp. by PCR (87471):** Screens for all clinically relevant species of *Bartonella* by our highly sensitive proprietary PCR method. Ticks and other biting insects can also be tested.

***Borrelia* spp. by PCR (87475):** Screens for 4 *Borrelia* species (*burgdorferi*, *afzelli*, *valaisina*, and *garinii*) by our highly sensitive proprietary PCR method. Ticks and other biting insects can also be tested.

***Protomyxzoa* (aka FL1953) by PCR (87798):** Screens for the presence of a novel protozoan infection by our proprietary PCR method. Fry Laboratories believes this organism is implicated in a variety of chronic diseases and is currently under intense investigation.

Please note that some of our tests are investigational and performed on a research use basis only.