



## **NOW ACCEPTING SAMPLES FROM CANADA!**

We have begun shipping kit orders to those health care practitioners that have been so patiently waiting. For new orders, please contact us using the information provided on this form.

## **NEW WEB MARKETING CAMPAIGN:**

Spiro Stat is at the beginning of a new web marketing campaign, designed to give us a much more substantial internet presence. This has been initiated by the much anticipated launch of our new web site, so please stop by [www.spirostat.com](http://www.spirostat.com) to see the updates! The new site is much more user friendly. Read literature reviews on the pathogenic organisms commonly transferred by insect vectors in **Organism Information**, and see the team that makes up Spiro Stat's leadership in the **About Us** section.

## **UPDATES:**

In May, Spiro Stat was invited to attend a conference in Redmond, Washington. The conference was put on by Dr. Dietrich Klinghardt MD, PhD and the Klinghardt Academy entitled "A Deep Look beyond Lyme". For those of you unfamiliar with Dr. Klinghardt, he is world renown as a physician for his innovative treatment protocols for Lyme disease, Autism, Alzheimer's, and heavy metal detoxification.

Exhibition at this prestigious conference within the Lyme community is by invitation only. This is a great indicator that Spiro Stat is starting to make an impact within the community of innovative healthcare practitioners that treat diseases caused by spirochetes.

A large component of this conference focused on diseases caused by other organisms that present themselves as a Lyme-like illness, but are obviously not. Spiro Stat's main panel, to-

gether with the Babesia panel, test for virtually all insect vector borne pathogens at once. This gives healthcare practitioners a huge advantage when it comes to solving the dilemma associated with diagnosing complicated diseases.

Also in May, Steve Hines, ND spoke on behalf of Spiro Stat at the 11th Annual Fibromyalgia and Chronic Fatigue Conference in Overland Park, Kansas. Steve always does a fantastic job educating other healthcare practitioners about



Steve Hines, ND

so many different clinical representations of spirochete based infections, and then directing them towards the usefulness of the Spiro Stat test panels.

## LEPTOSPIRA SPP.

Organisms of the genus *Leptospira* are highly motile, obligate aerobic spirochetes that share features of both Gram-positive and Gram-negative bacteria [1]. The vast majority of the approximately 20 species that make up the genus *Leptospira* are either pathogenic or opportunistic pathogens for humans. A person manifesting an infection with one of these species is said to have Leptospirosis.

Leptospirosis is now considered a zoonotic disease of global importance [2]. Zoonotic diseases are diseases caused by organisms that can have multiple animal or human hosts, and can be transferred between animals and humans. Leptospirosis has traditionally been considered mainly a disease of farmers. In places where cattle, pigs and other animals are raised, these animals are often chronically colonized by pathogenic *Leptospira*, and are regularly transferred to humans. However, in the past 20 years Leptospirosis occurred in both urban environments as well as rural regions throughout the world [3]. Leptospirosis has also emerged as a disease of adventure travelers, especially affecting participants in water-sports [4-6].



The entire Leptospiral genome has recently been sequenced [7-9]. According to Bharti, et al, the genome for *Leptospira* spp. is large compared to *Borrelia burgdorferi* [10] and *Treponema pallidum* [11]. The ability of the organism to alter phenotypic expression in response to external pressures and survive within very diverse environments is attributed to this large genome. *Leptospira* spp. have been shown to survive freely in the environment as well as in animal and human hosts [2-3].

To read more on the clinical representation of Leptospirosis, see references, and read other organism reviews, visit us at [www.spirostat.com/organism](http://www.spirostat.com/organism)

Do not work for food that spoils, but for food that endures to eternal life, which the Son of Man will give you. For on him God the Father has placed his seal of approval. John 6:27



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