Presumptive Diagnosis: Canine Brucellosis

Canine brucellosis is a chronic infection by *Brucella canis* that causes generalized lymphadenitis and mild to severe reproductive disorders. Symptoms in the male include prostatitis, epididymitis, scrotal dermatitis, testicular atrophy and impotence. Females may experience vaginal discharge, infertility, resorption, and abortion which typically occurs in the final two weeks of gestation.

Because of its zoonotic potential, suspect patient samples should be handled cautiously.

The American Kennel Club (AKC) recommends a confirmed negative status prior to breeding.

Two-minute screening: D-Tec®CB Canine Brucellosis Antibody Test

Rapid. Results in 2 minutes.

Sensitive. Reliably identifies negative dogs from those potentially infected.

Easy. Simple to perform RSATs, no special equipment required.

Convenient. Clean and disposable for quick in-clinic use.

Long Shelf Life. 36 months from date of manufacture.
Two rapid slide agglutination testing methods for a presumptive diagnosis of canine brucellosis.

**Performing the RSAT**
1. Place 1 drop of control in one test circle and 1 drop of patient sample in the other. Place 1 drop of agglutination antigen in each test circle. Mix the components of each circle together.
2. Rock card slowly and gently for two minutes while observing for agglutination.
3. If no agglutination occurs in the patient circle, the sample is negative. If the patient sample agglutinates, perform the 2ME-RSAT procedure.

**Performing the 2ME-RSAT**
1. Add 2 drops 2ME solution to patient sample and mix well. Place 1 drop of sample in a test circle. Place 1 drop of agglutination antigen in the same circle, and mix the two together.
2. Rock card slowly and gently for two minutes while observing for agglutination.
3. If no agglutination occurs, the dog may be in early stages of infection or the serum may be reacting non-specifically to *B. canis*. Retest this dog in 30 days.
   - If agglutination occurs, the dog is presumptively positive for *B. canis*. The sample should be further tested by TAT or blood culture.

Offer a full range of services to your canine breeder clients, from ovulation timing to pregnancy testing with these other Synbiotics products:

**FRESH EXPRESS®** – for the shipment of chilled semen.

**ICG Status-Pro®** – for semi-quantitative evaluation of progesterone levels.

**ICG Status-LH®** – to pinpoint the LH surge.

**Witness® Relaxin** – stat in-clinic test for early pregnancy detection in your canine patients.

©Copyright 2001 Synbiotics Corporation  REPR001, #3030, Rev. 07/01    Printed in the USA

To order call your Synbiotics Distributor.