Canine ehrlichiosis

SNAP* 4Dx* Plus Test or SNAP* Leish 4Dx* Test

Dog with clinical symptoms

Asymptomatic dog/screening

Negative

+ CBC with blood film evaluation
+ Tick-borne disease PCR panel
+ Chemistry panel with SDMA
+ Urinalysis with UPC ratio

+ Thrombocytopenia
+ Anemia
+ Negative PCR result
+ With or without lymphocyctosis
+ With or without pancytopenia

Look for evidence of other tick-borne diseases

Positive

A CBC with blood film evaluation on a fresh whole blood sample is recommended to evaluate for evidence of clinical ehrlichiosis

+ Thrombocytopenia
+ Anemia:
  + With or without lymphocyctosis
  + With or without pancytopenia
+ Moderate to marked pancytopenia may be seen in the severe chronic phase of ehrlichiosis

The results are consistent with a clinical ehrlichiosis disease diagnosis; consider treatment with appropriate therapy.

Normal CBC

A positive *Ehrlichia* result indicates the presence of *Ehrlichia* antibodies; in a dog without clinical signs and whose CBC results do not support ehrlichiosis, this may reflect prior exposure to a tick infected with *Ehrlichia* spp.

+ Evaluate clinical response and CBC in 7 days; if no improvement, pursue other differentials for clinical and hematology abnormalities
+ A chemistry panel with SDMA and urinalysis with UPC ratio (if indicated) are recommended to evaluate for secondary kidney disease

Negative

Infection is unlikely; review benefits of tick prevention; retest for tick-borne disease annually

Evaluate tick-prevention strategies and reinforce the value of proper protection.

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