Canine ehrlichiosis
Next steps to interpret results

Does the dog have one or more of these signs?
• Fever
• Anorexia
• Lethargy
• Lameness
• Epistaxis
• Lymphadenopathy
• Petechiae
• Neurological signs

YES

IDEXX 4Dx®
Plus result

Negative

• CBC with blood film evaluation
• Tick/Vector Comprehensive RealPCR™ Panel
• Chemistry panel
• Urinalysis with Reflex UPC

Positive

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

Positive

Infection is unlikely. Review benefits of tick prevention. Retest for tick-borne disease annually.

Negative

Test results

Thrombocytopenia
• Anemia
• Positive PCR result
• With or without lymphocytosis
• With or without pancytopenia

Thrombocytopenia
• Anemia
• With or without lymphocytosis
• With or without pancytopenia
• Moderate to marked pancytopenia may be seen in the severe chronic phase of ehrlichiosis.

Normal CBC

Test interpretation

Look for evidence of other tick-borne diseases.

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

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.

Monitor

A chemistry panel with SDMA and Urinalysis with Reflex UPC if indicated are recommended to evaluate for secondary kidney disease.

Prevent

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

Note: This algorithm is provided as a reference resource only for use by, or under the supervision of, a licensed veterinarian.

© 2021 IDEXX Laboratories, Inc. All rights reserved. • 09-2690088-00

All ®/TM marks are owned by IDEXX Laboratories, Inc. or its affiliates in the United States and/or other countries. The IDEXX Privacy Policy is available at idexx.com.