CHANGES TO NUCLEIC ACID AMPLIFICATION TEST (PCR) FOR EHRlichia SPECIES

Timothy S. Uphoff, PhD, DABMG, MLS(ASCP)CM

Effective June 21, 2016, Marshfield Labs will change the PCR testing methodology for detection of the tick-borne pathogens *Ehrlichia chaffeensis*, *Ehrlichia ewingii/canis* and *Ehrlichia muris-like* (EML) to a single pan-*Ehrlichia* assay. The new assay will detect all of these species of *Ehrlichia* but will not differentiate between species. This test will continue to detect *Anaplasma phagocytophilum* and differentiate this from *Ehrlichia spp*.

The lab test code will remain: **ANENAT**.

BACKGROUND

Please see *Laboratory News, Vol. 35, No. 12* (June 25, 2012) for general information regarding *Anaplasma* and *Ehrlichia spp*. Since the introduction of *Ehrlichia* testing at Marshfield Labs in 2012, the only species of *Ehrlichia* we have encountered is the EML agent. Because of the predominance of EML in our area and because treatment recommendations for all human *Ehrlichia* species are the same, Marshfield Labs will cease speciation of *Ehrlichia* as part of our primary identification test by PCR.

We will send all *Ehrlichia* positive samples to the Wisconsin State Lab of Hygiene (WSLH) for speciation. The speciation results from WSLH will be added as a comment to the original laboratory report at no additional charge.

QUESTIONS

• Dr. Timothy Uphoff
• Phone number: 800-222-5835.