WHAT IS CLAIMED IS:

1. A method for detecting *Babesia gibsoni*, the method comprising amplifying nucleic acid from *Babesia gibsoni* using real-time polymerase chain reaction with a forward primer, a reverse primer, and a probe, wherein the forward primer consists of a sequence of 5'-TTGAAACTTGTCGAGCTG-3' (SEQ ID NO: 1), and the reverse primer consists of a sequence of 5'-TGGAATCTTCCACGACTG-3' (SEQ ID NO: 2).

2. The method according to claim 1, wherein the probe consists of a sequence of 5'-CCGAGGCAACACGCGATC-3' (SEQ ID NO: 3).

3. The method according to claim 2, wherein the probe is labeled with a 5'-reporter dye and a 3'-quencher.

4. The method according to claim 1, wherein the probe is labeled with a 5'-reporter dye and a 3'-quencher.