

Human Health Bartonella ePCR Test Interpretation

1. Not Detected (PCR) – *Bartonella* DNA was not amplified by PCR from the patient's blood, serum, or *Bartonella* spp. BAPGM enrichment culture. Failure to detect infection with a *Bartonella* spp. using *Bartonella* ePCR™ does not rule out a diagnosis of bartonellosis.
2. Detected (PCR)* – Identification of *Bartonella* DNA was established by DNA sequence of the PCR product and by alignment using the most current GenBank database in conjunction with the internal sequence database of Galaxy Diagnostics, Inc.
3. Detected (PCR)*, Indeterminate (Sequence) – *Bartonella* DNA was amplified by PCR from the patient's blood, serum, or *Bartonella* spp. BAPGM enrichment culture. A positive PCR was confirmed by repeat PCR testing. However, the PCR result could not be verified by DNA sequencing. Repeat testing prior to or after initiation of antibiotic therapy can at times result in identification of the infecting pathogen.
4. Indeterminate PCR*, Indeterminate Sequence – A positive PCR was obtained. However, DNA sequencing was not successful and repeat PCR was negative.
5. Lack of detection of *Bartonella* DNA by PCR may be due to variable species-specific limits of detection.
6. The expected ("Reference") value in the normal population is *Bartonella* genus/species "Not Detected." RUO (Research Use Only) is noted in the "Reference" column when tests are performed which have not been validated according to CLIA regulatory requirements.

Human Health PCR Test Interpretation

1. Not Detected (PCR) – Target pathogen DNA was not amplified by PCR from the patient's blood. Failure to detect the target pathogen DNA does not rule out an infection.
2. Detected (PCR)* – Identification of target pathogen DNA was established by DNA sequence of the PCR product and by alignment using the most current GenBank database in conjunction with the internal sequence database of Galaxy Diagnostics, Inc.
3. Detected (PCR)*, Indeterminate (Sequence) – Target pathogen DNA was amplified by PCR from the patient's blood. A positive PCR was confirmed by repeat PCR testing. However, the PCR result could not be verified by DNA sequencing. Repeat testing prior to or after initiation of antibiotic therapy can at times result in identification of the infecting pathogen.
4. Indeterminate PCR*, Indeterminate Sequence – A positive PCR was obtained. However, DNA sequencing was not successful and repeat PCR was negative.

5. Lack of detection by qPCR of target pathogen genus DNA may be due to variable species-specific limits of detection.
6. The expected (“Reference”) value in the normal population is target organism genus/species “Not Detected.” RUO (Research Use Only) is noted in the “Reference” column when tests are performed which have not been validated according to CLIA regulatory requirements.

Human Health *Bartonella* IFA Serology Test Interpretation

1. IFA results with a titer to *Bartonella henselae* or *Bartonella quintana* less than 1:64 (<1:32, 1:32) indicates the sera tested was non-reactive to the *Bartonella* species antigen. A titer to either *Bartonella* species greater than or equal to 1:64 (1:128, 1:256, ≥1:256) indicates the sera tested was seroreactive to the *Bartonella* species antigen, and the patient has been exposed to or may presently be infected with a *Bartonella* species.
2. Cross-reactivity between *Bartonella henselae* and *Bartonella quintana* has been reported.
7. Indeterminate IFA – Unable to determine definitive reactivity status. Submission of an additional sample for repeat testing is recommended.
3. The expected (“Reference”) value in the normal population is “Non-reactive” to *Bartonella henselae* or *B. quintana*. Serological results should be interpreted in the context of patient history, possible past exposure, other clinical findings and laboratory results.