Mosaic Diagnostics
CLIA ID: 17D0919496
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PATIENT NAME	Report, Sample	**ACCESSION**	25052200003
PATIENT DOB	Jan. 1, 2025	**ORDER CODE**	GX25-0000667
PATIENT GENDER	U	**SAMPLE TYPE, SOURCE & COLLECTION DATE**	
PATIENT PHONE	(919) 313-9672	Culture 1	05-20-2025, 09:19AM (EDT)
ACCOUNT	Mosaic Diagnostics	Serum	05-20-2025, 09:19AM (EDT)
PROVIDER	Test Provider	Urine	05-20-2025, 09:19AM (EDT)
REPORT STATUS	FINAL	Whole Blood 1	05-20-2025, 09:19AM (EDT)
		RECEIVED	05-22-2025, 09:19AM (EDT)
		REPORTED	05-22-2025, 09:20AM (EDT)

TEST INFORMATION	6. BBB Direct Detect 1 Day Draw - Digital PCR + Bartonella IgG Detect - IFA + Lyme Borrelia Direct D...	**DIAGNOSIS CODES**	

QUALITATIVE RESULTS		
	RESULT	**FLAG**
4-SPECIES IFA SEROLOGY PANEL, IGG		
Bartonella henselae IFA Serology, IgG	≥1:256	REACTIVE
Bartonella koehlerae IFA Serology, IgG	1:64	REACTIVE
Bartonella quintana IFA Serology, IgG	1:256	REACTIVE
Bartonella vinsonii berkhoffi IFA Serology, IgG	1:128	REACTIVE
BBB MULTIPLEX DPCR		
Babesia spp. dPCR-B1	POSITIVE	POSITIVE
Bartonella spp. dPCR-B1	POSITIVE	POSITIVE
Borrelia spp. dPCR-B1	POSITIVE	POSITIVE
BBB MULTIPLEX DPCR - BARTONELLA CULTURE		
Bartonella spp. Culture dPCR-C1	POSITIVE	POSITIVE
BORRELIA URINE TEST		
Lyme Borrelia Nanotrap®	DETECTED	DETECTED

Lyme Borrelia Nanotrap®: Test Result Interpretation

Not Detected (Nanotrap®) - Lyme Borrelia OspA antigen was not detected in the patient's urine.

Detected (Nanotrap®) - Lyme Borrelia spp. OspA antigen was detected in the patient's urine. The patient should consult with their physician to review test results and discuss treatment options.

Lack of detection by the Lyme Borreliosis Nanotrap® Urine Test of target OspA antigen may be due to variable species-specific limits of detection.

Failure to detect infection with a Lyme Borrelia spp. using the Nanotrap® Urine Test does not rule out a diagnosis of Lyme borreliosis, as laboratory tests are only one component utilized by physicians to diagnose and treat potential infections. The patient should consult with their physician to discuss test results and other options.

The expected ("Reference") value in the normal population is target organism genus/species "Not Detected".

Bartonella Culture dPCR-C1: Test Result Interpretation

Negative (PCR) Culture Specific- Bartonella spp. were not detected in BAPGM enrichment culture. Failure to detect target pathogen DNA using Digital PCR does not rule out a diagnosis.

Positive (PCR) Culture Specific- Bartonella spp. were detected in BAPGM enrichment culture.

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TEST INFORMATION	6. BBB Direct Detect 1 Day Draw - Digital PCR + Bartonella IgG Detect - IFA + Lyme Borrelia Direct D...	**DIAGNOSIS CODES**	

BBB Multiplex Digital PCR targets were evaluated for potential cross-reactivity with structurally or functionally related pathogens. The assay exhibited limited cross-reactivity with a limited number of non-human, ruminant pathogens that, to date, are non-pathogenic in humans. Patient history should be considered when interpreting test results and creating a plan of care.

The expected ("Reference") value in the normal population is target organism genus/species "Negative."

BBB Multiplex dPCR- B1: Test Result Interpretation

Negative (PCR) - Target pathogen (Bartonella spp. and/or Borrelia spp. and/or Babesia spp.) DNA was not detected by Digital PCR from the patient's blood. Failure to detect target pathogen DNA using Digital PCR does not rule out a diagnosis.

Positive (PCR) - Target pathogen (Bartonella spp. and/or Borrelia spp. and/or Babesia spp.) DNA was detected by Digital PCR from the patient's blood.

BBB Multiplex Digital PCR targets were evaluated for potential cross-reactivity with structurally or functionally related pathogens. The assay exhibited limited cross-reactivity with a limited number of non-human, ruminant pathogens that, to date, are non-pathogenic in humans. Patient history should be considered when interpreting test results and creating a plan of care.

The expected ("Reference") value in the normal population is target organism genus/species "Negative."

4-Species IFA Serology Panel, IgG: Test Result Interpretation

Reactive: A Bartonella species titer greater than or equal to 1:64 indicates the tested serum sample was reactive to the indicated Bartonella species antigen(s), and that the patient has been exposed to, or may presently be infected with, a Bartonella species.

Non-Reactive: IFA results with a Bartonella species titer of less than or equal to 1:32 indicates the tested serum sample was non-reactive with the indicated Bartonella species antigen(s).

Indeterminate: Unable to determine definitive reactivity status. Submission of an additional sample for repeat testing is recommended.

The expected ("Reference") value in the normal population is "Non-reactive" to Bartonella henselae, Bartonella quintana, Bartonella koehlerae, or Bartonella vinsonii berkhoffii. Serological results should be interpreted in the context of patient history, possible past exposure, other clinical findings, and laboratory results.

Research studies have shown that some bacteremic patients do not develop antibodies.