

Client: Example Client ABC123 123 Test Drive Salt Lake City, UT 84108 UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

7/13/1970
Female
01234567890ABCD, 012345
01234567890ABCD
00/00/0000 00:00

Borrelia burgdorferi Antibodies, IgG and IgM by Immunoblot (CSF) Reflex

ARUP test code 3016761

Negative	(Ref Interval: Negative)
Band(s) present: 41, 18 kDa (Insufficient number of bands	for positive result)
INTERPRETIVE INFORMATION: Bor IB	rrelia burgdorferi Ab, IgG, (CSF)
of the following 10 bands are	esult is reported when any 5 or more present: 18, 23, 28, 30, 39, 41, other banding patterns are reported
The detection of antibodies t cerebrospinal fluid may indic infection. However, considera contamination by blood or tra the blood-brain barrier.	
determined by ARUP Laboratori approved by the US Food and D	ts performance characteristics es. It has not been cleared or orug Administration. This test was l laboratory and is intended for
Negative	(Ref Interval: Negative)
Band(s) present: 23 kDa (Insufficient number of bands	for positive result)
INTERPRETIVE INFORMATION: Bor IB	rrelia burgdorferi Ab, IgM, (CSF)
For this assay, a positive re of the following bands are pr banding patterns are reported	esult is reported when any 2 or more resent: 23, 39, 41 kDa. All other l as negative.
The detection of antibodies t cerebrospinal fluid may indic infection. However, considera contamination by blood or tra the blood-brain barrier.	to Borrelia burgdorferi in tate central nervous system ntion must be given to possible nsfer of serum antibodies across
determined by ARUP Laboratori approved by the US Food and D	ts performance characteristics es. It has not been cleared or orug Administration. This test was l laboratory and is intended for
	Band(s) present: 41, 18 kDa (Insufficient number of bands INTERPRETIVE INFORMATION: Bor IB For this assay, a positive re of the following 10 bands are 45, 58, 66, or 93 kDa. All of as negative. The detection of antibodies to cerebrospinal fluid may indice infection. However, considera contamination by blood or tra- the blood-brain barrier. This test was developed and in determined by ARUP Laboratori approved by the US Food and D performed in a CLIA certified clinical purposes. Negative Band(s) present: 23 kDa (Insufficient number of bands INTERPRETIVE INFORMATION: Bor IB For this assay, a positive re of the following bands are pr banding patterns are reported The detection of antibodies to cerebrospinal fluid may indice infection. However, considera contamination by blood or tra the blood-brain barrier. This test was developed and in determined by ARUP Laboratori approved by the US Food and D performed in a CLIA certified contamination by blood or tra the blood-brain barrier.

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:



Lyme Standard 2-Tier Testing, CSF Interp	Negative	(Ref Interval: Negative)
	disease. Antibodies detected not confirmed. Negative resu patients (less than 14 days)	Borrelia species causing Lyme d by the first-tier screen test were dits may occur in recently infected decollected in 7-14 days may be
		/me Standard 2-Tier, CSF, 2nd ier
	IgG: For this assay, a posit	tive result is reported when any five bands are present: 18, 23, 28, 30, Da. All other banding patterns are
		tive result is reported when any two nds are present: 23, 39, or 41 kDa. are reported as negative.
	infection. However, consider contamination by blood or tr	icate central nervous system ration must be given to possible ransfer of serum antibodies across ne disease diagnosis in serum is
	determined by ARUP Laborator approved by the U.S. Food ar	its performance characteristics ries. It has not been cleared or nd Drug Administration. This test was ed laboratory and is intended for

Borrelia burgdorferi VlsE1/pepC10 Antibodies, CSF, Total by ELISA With Reflex to IgM and IgG by Immunoblot (Standard Two-Tier Testing, CSF) ARUP test code 3016760

B. burgdorferi VlsE1/pepC10 Abs, CSF	1.93 IV H (Ref Interval: <=0.90)
	REFERENCE INTERVAL: B. burgdorferi VlsE1/pepC10 Abs, CSF
	 0.90 IV or less Negative - VlsE1 and pepC10 antibodies to B. burgdorferi not detected. 0.91-1.09 IV Equivocal - Repeat testing in 10-14 days may be helpful. 1.10 IV or greater Positive - VlsE1 and pepC10 antibodies to B. burgdorferi detected.
	The detection of antibodies to Borrelia burgdorferi in cerebrospinal fluid may indicate central nervous system infection. However, consideration must be given to possible contamination by blood or transfer of serum antibodies across the blood-brain barrier. Lyme disease diagnosis in serum is recommended prior to any CSF studies.
	This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:



VERIFIED/REPORTED DATES						
Procedure	Accession	Collected	Received	Verified/Reported		
Borrelia burgdorferi Ab, IgG, IB (CSF)	24-040-127335	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00		
Borrelia burgdorferi Ab, IgM, IB (CSF)	24-040-127335	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00		
B. burgdorferi VlsE1/pepC10 Abs, CSF	24-040-127335	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00		
Lyme Standard 2-Tier Testing, CSF Interp	24-040-127335	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00		

END OF CHART

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com 500 Chipeta Way, Sati Lake City, UT 84108-1221 Jonathan R. Genzen, MD, PhD, Laboratory Director Patient: Patient, Example ARUP Accession: 24-040-127335 Patient Identifiers: 01234567890ABCD, 012345 Visit Number (FIN): 01234567890ABCD Page 3 of 3 | Printed: 3/19/2024 8:11:27 AM 4848