

Client: ARUP Example Report Only 500 Chipeta Way Salt Lake City, UT 84108 **UNITED STATES**

Physician: DR, TEST

Patient: ARUPTEST, ENCEPH CSF ICHL

DOB 4/15/1971 Sex: Female **Patient Identifiers:** 63916 **Visit Number (FIN):** 64328

Collection Date: 10/7/2024 11:18

Encephalitis Panel With Reflex to Herpes Simplex Virus Types 1 and 2 Glycoprotein G-Specific Antibodies, IgG, CSF

ARUP test code 3017752

West Nile Virus Antibody IgG CSF

1.10 IV (Ref Interval: <=1.29)

INTERPRETIVE INFORMATION: West Nile Virus Ab IgG by ELISA, CSF

1.29 IV or less Negative: No significant level of West Nile virus IgG antibody detected

1.30 - 1.49 IV Equivocal: Questionable presence of West Nile virus IgG antibody detected.

Repeat testing in 10-14 days

may be helpful.
Positive: Presence of IgG 1.50 IV or greater

antibody to West Nile virus detected, suggestive of current or past infection.

This test is intended to be used as a semi-quantitative means of detecting West Nile virus-specific IgG in CSF samples in which there is a clinical suspicion of West Nile Virus infection. This test should not be used solely for quantitative purposes, nor should the results be used without correlation to clinical history or other data. Because other members of the Flaviviridae family, such as St. Louis encephalitis virus, show extensive cross-reactivity with West Nile virus, serologic testing specific for these species should be considered.

The detection of antibodies to West Nile virus 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.

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.

West Nile Virus Antibody IgM CSF

0.80 IV (Ref Interval: <=0.89)

INTERPRETIVE INFORMATION: West Nile Virus Ab IgM by ELISA, CSF

0.89 IV or less Negative - No significant level of West Nile virus IgM antibody

detected. 0.90-1.10 IV

Equivocal - Questionable presen of West Nile virus IgM antibody - Questionable presence

detected. Repeat testing in



10-14 days may be helpful. 1.11 IV or greater ... Positive - Presence of IgM antibody to West Nile virus detected, suggestive of current or recent infection.

This test is intended to be used as a semi-quantitative means of detecting West Nile virus-specific IgM in CSF samples in which there is a clinical suspicion of West Nile virus infection. This test should not be used solely for quantitative purposes, nor should the results be used without correlation to clinical history or other data. Because other members of the Flaviviridae family, such as St. Louis encephalitis virus, show extensive cross-reactivity with West Nile virus, serologic testing specific for these species should be considered.

The detection of antibodies to West Nile virus 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.

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Mumps Virus Antibody IgG CSF

9.0 AU/mL (Ref Interval: <=10.9)

INTERPRETIVE INFORMATION: Mumps Ab, IgG, CSF

antibodies across the blood-brain barrier.

8.9 AU/mL or Less..... Negative - No significant level of detectable IgG mumps virus antibody. Equivocal - Repeat testing in 10-14 days may be helpful. 9.0-10.9 AU/mL.....

11.0 AU/mL or Greater.. Positive - IgG antibody to mumps virus detected, which may indicate a current or past mumps virus

infection. The detection of antibodies to mumps virus in CSF may indicate central nervous system infection. However, consideration must be

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given to possible contamination by blood or transfer of serum

Mumps Virus Antibody IgM CSF

0.70 IV (Ref Interval: <=0.79)

INTERPRETIVE INFORMATION: Mumps Virus Antibody, IgM, CSF

Negative - No significant level of detectable IgM antibody to mumps 0.79 IV or less:

virus.

Equivocal - Borderline levels of IgM 0.80 - 1.20 IV:

antibody to mumps virus. Repeat testing in 10-14 days may be helpful.

1.21 IV or greater: Positive - Presence of IgM antibody to mumps virus detected, which may

indicate a current or recent infection. However, low levels of IgM antibody may occasionally persist for more than 12 months post-infection or

immunization.



The detection of antibodies to mumps in CSF 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.

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VZV Antibody IgG CSF

3.9 s/co

INTERPRETIVE INFORMATION: VZV Ab, IgG, CSF

<1.0 S/CO: Negative - No significant level of

detectable varicella-zoster IgG

antibody.

>=1.0 S/CO: Positive - IgG antibody to

varicella-zoster detected, which may indicate a current or past

varicella-zoster infection.

The detection of antibodies to varicella-zoster in CSF 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.

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VZV Antibody IgM CSF

0.08 ISR

(Ref Interval: <=0.90)

INTERPRETIVE INFORMATION: VZV Ab, IgM, CSF

0.90 ISR or less Negative - No significant level of IgM antibody to

varicella- zoster detected. 0.91 - 1.09 ISR Equivocal - Repeat testing in

10-14 days may be helpful. 1.10 ISR or greater Positive - Significant level

of IgM antibody to varicellazoster virus detected, which may indicate current or recent infection. However, low levels of antibodies may occasionally persist for more than 12 months

post-infection.

While the presence of IgM antibodies suggest current or recent infection, low levels of IgM antibodies may occasionally persist for more than 12 months post-infection.

The detection of antibodies to varicella-zoster in CSF 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.

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Measles, Rubeola, Antibody IgG CSF	15.0 AU/mL	(Ref Interval: <=16.4)	
, , , , , , , , , , , , , , , , , , ,	INTERPRETIVE INFORMATION: Measles (Rubeola) Antibody, IgG, CSF		
	13.5-16.4 AU/mL	 Negative - No significant level of IgG antibody to measles (rubeola) virus detected. Equivocal - Repeat testing in 10-14 days may be helpful. Positive - IgG antibody to measles (rubeola) detected, which may indicate a current or past exposure/immunization to measles (rubeola). 	
	nervous system infection. Ho	o rubeola in CSF may indicate central wever, consideration must be given to od or transfer of serum antibodies	
	determined by ARUP Laboratori approved by the US Food and D	ts performance characteristics es. It has not been cleared or rug Administration. This test was I laboratory and is intended for	
Measles, Rubeola, Antibody IgM CSF	0.70 AU INTERPRETIVE INFORMATION: Mea	(Ref Interval: 0.00-0.79) usles (Rubeola) Antibody, IgM, CSF	
	measles (rubeola detected. 0.80 - 1.20 AU	Negative - No significant level of IgM antibody to measles (rubeola) virus detected. Equivocal - Repeat testing in 10-14 days may be helpful. Positive - IgM antibodies to measles (rubeola) virus detected. Suggestive of current or recent infection. However, low levels of IgM antibodies may occasionally persist for more than 12 months post-infection.	
	The detection of antibodies to rubeola in CSF 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.		
	determined by ARUP Laboratori approved by the US Food and D	ts performance characteristics es. It has not been cleared or rug Administration. This test was I laboratory and is intended for	
HSV 1/2 Antibody Screen IgG, CSF	0.86 IV	(Ref Interval: <=0.89)	
		pes Simplex Virus Type 1 and/or 2 ss, IgG CSF Negative: No significant level of detectable HSV IgG	
	0.90 - 1.09 IV	antibody.	
H=High	, L=Low, *=Abnormal, C=Critical		

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

Unless otherwise indicated, testing performed at:



1.10 IV or Greater Positive: IgG antibody to HSV detected, which may indicate a current or past HSV infection.

The detection of antibodies to herpes simplex virus in CSF 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.

Fourfold or greater rise in CSF antibodies to herpes on specimens at least 4 weeks apart are found in 74-94 % of patients with herpes encephalitis. Specificity of the test based on a single CSF testing is not established. Presently PCR is the primary means of establishing a diagnosis of herpes encephalitis.

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VERIFIED/REPORTED DATES					
Procedure	Accession	Collected	Received	Verified/Reported	
West Nile Virus Antibody IgG CSF	24-281-106433	10/7/2024 11:18:00 AM	10/7/2024 11:18:43 AM	10/7/2024 11:20:00 AM	
West Nile Virus Antibody IgM CSF	24-281-106433	10/7/2024 11:18:00 AM	10/7/2024 11:18:43 AM	10/7/2024 11:20:00 AM	
Mumps Virus Antibody IgG CSF	24-281-106433	10/7/2024 11:18:00 AM	10/7/2024 11:18:43 AM	10/7/2024 11:20:00 AM	
Mumps Virus Antibody IgM CSF	24-281-106433	10/7/2024 11:18:00 AM	10/7/2024 11:18:43 AM	10/7/2024 11:20:00 AM	
VZV Antibody IgG CSF	24-281-106433	10/7/2024 11:18:00 AM	10/7/2024 11:18:43 AM	10/7/2024 11:20:00 AM	
VZV Antibody IgM CSF	24-281-106433	10/7/2024 11:18:00 AM	10/7/2024 11:18:43 AM	10/7/2024 11:20:00 AM	
Measles, Rubeola, Antibody IgG CSF	24-281-106433	10/7/2024 11:18:00 AM	10/7/2024 11:18:43 AM	10/7/2024 11:20:00 AM	
Measles, Rubeola, Antibody IgM CSF	24-281-106433	10/7/2024 11:18:00 AM	10/7/2024 11:18:43 AM	10/7/2024 11:20:00 AM	
HSV 1/2 Antibody Screen IgG, CSF	24-281-106433	10/7/2024 11:18:00 AM	10/7/2024 11:18:43 AM	10/7/2024 11:20:00 AM	

END OF CHART