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

Physician: Doctor, Example

Patient: Patient, Example

DOB	7/25/2010
Gender:	Male
Patient Identifiers:	01234567890ABCD, 012345
Visit Number (FIN):	01234567890ABCD
Collection Date:	00/00/0000 00:00

Arbovirus Antibodies, IgG and IgM, CSF

ARUP test code 2001597

West Nile Virus Antibody IgG CSF

0.02 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.
1.50 IV or greater	Positive: Presence of IgG 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

0.00 IV (Ref Interval: <=0.89)

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

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 presence of West Nile virus IgM antibody 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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California Encephalitis IgG CSF	< 1:1	(Ref Interval: < 1:1)

INTERPRETIVE DATA: California IgG, CSF

This test is intended to be used as a semi-quantitative means of detecting California Encephalitis Group virus-specific IgG in CSF samples in which there is a clinical suspicion of California Encephalitis Group virus infection. A positive result for IgG may suggest current or past 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. LaCross virus is related within the California Encephalitis Group and generally is reactive with antibody to other viruses within this group.

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St. Louis Encephalitis Ab, IgG, CSF	< 1:1	(Ref Interval: < 1:1)

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

INTERPRETIVE DATA: St. Louis IgG, CSF

This test is intended to be used as a semi-quantitative means of detecting St. Louis virus-specific IgG in CSF samples in which there is a clinical suspicion of St. Louis virus infection. A positive result for IgG may suggest current or past 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 West Nile virus, show extensive cross-reactivity with St. Louis virus, serologic testing specific for these species should also be performed.

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Eastern Equine Enceph Ab, IgG, CSF	< 1:1	(Ref Interval: < 1:1)

INTERPRETIVE INFORMATION: Eastern Equine Enceph Ab, IgG, CSF

This test is intended to be used as a semiquantitative means of detecting eastern equine virus-specific IgG in CSF samples when there is a clinical suspicion of eastern equine encephalitis virus infection. A negative result for IgG does not rule out eastern equine encephalitis virus infection and additional testing is recommended if warranted by clinical history and symptoms. A positive result for IgG may
suggest current or past 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 Alphavirus family, such as western equine encephalitis virus, show extensive cross-reactivity with eastern equine encephalitis virus, serologic testing specific for these species should also be performed.

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.

Western Equine Enceph Ab, IgG, CSF	< 1:1	(Ref Interval: < 1:1)

INTERPRETIVE DATA: Western IgG, CSF

This test is intended to be used as a semi-quantitative means of detecting western equine virus-specific IgG in CSF samples in which there is a clinical suspicion of western equine virus infection. A positive result for IgG may suggest current or past 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 Alphavirus family, such as eastern equine encephalitis virus, show extensive cross-reactivity with western equine encephalitis virus, serologic testing specific for these species should also be performed.

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California Encephalitis IgM CSF	< 1:1	(Ref Interval: < 1:1)

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

INTERPRETIVE DATA: California IgM, CSF

This test is intended to be used as a semi-quantitative means of detecting California Encephalitis Group virus-specific IgM in CSF samples in which there is a clinical suspicion of California Encephalitis Group virus infection. A positive result for IgM may suggest current or recent 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. LaCross virus is related within the California Encephalitis Group and generally is reactive with antibody to other viruses within this group.

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St. Louis Encephalitis Ab, IgM, CSF	< 1:1	(Ref Interval: < 1:1)

INTERPRETIVE DATA: St Louis IgM, CSF

This test is intended to be used as a semi-quantitative means of detecting St.Louis virus-specific IgM in CSF samples in which there is a clinical suspicion of St.Louis virus infection. A positive result may suggest current or recent 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 West Nile virus, show extensive cross-reactivity with St.Louis virus, serologic testing specific for these species should also be performed.

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.

Eastern Equine Enceph Ab, IgM, CSF	< 1:1	(Ref Interval: < 1:1)

INTERPRETIVE INFORMATION: Eastern Equine Enceph Ab, IgM, CSF

This test is intended as a semiquantitative means of detecting eastern equine virus-specific IgM in CSF samples where there is a clinical suspicion of eastern equine encephalitis virus infection. A negative result for IgM does not rule out eastern equine encephalitis virus infection and additional testing is recommended if warranted by clinical history and symptoms. A positive result for IgM may suggest current or recent 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 Alphavirus family, such as western equine encephalitis virus, show extensive cross-reactivity with eastern equine encephalitis virus, serologic testing specific for these species should also be performed.

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Western Equine Enceph Ab, IgM, CSF	< 1:1	(Ref Interval: < 1:1)

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

INTERPRETIVE DATA: Western IgM, CSF

This test is intended to be used as a semi-quantitative means of detecting western equine virus-specific IgM in CSF samples in which there is a clinical suspicion of western equine virus infection. A positive result for IgM may suggest current or recent 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 Alphavirus family, such as eastern equine encephalitis virus, show extensive cross-reactivity with western equine encephalitis virus, serologic testing specific for these species should also be performed.

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VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
West Nile Virus Antibody IgG CSF	23-216-137157	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
West Nile Virus Antibody IgM CSF	23-216-137157	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
California Encephalitis IgG CSF	23-216-137157	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
St. Louis Encephalitis Ab, IgG, CSF	23-216-137157	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Eastern Equine Enceph Ab, IgG, CSF	23-216-137157	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Western Equine Enceph Ab, IgG, CSF	23-216-137157	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
California Encephalitis IgM CSF	23-216-137157	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
St. Louis Encephalitis Ab, IgM, CSF	23-216-137157	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Eastern Equine Enceph Ab, IgM, CSF	23-216-137157	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Western Equine Enceph Ab, IgM, CSF	23-216-137157	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