## PATIENT REPORT

500 Chipeta Way, Salt Lake City, Utah 84108-1221 phone: 801-583-2787, toll free: 800-522-2787

Jonathan R. Genzen, MD, PhD, Chief Medical Officer

Patient Age/Sex:

Unknown

Specimen Collected: 2/6/2025 09:32	MST			
Autoimmune Enceph/Dementia Panel, Received: 2/6/2025 09:36 MST CSF			Report/Verif	Eied: 2/6/2025 09:49
Procedure	Result	Units	1	Reference Interval
NMDA Receptor Ab IgG CBA-IFA, CS:	F 1:80 * fl il			[< 1:1]
Paraneoplastic Abs (PCCA/ANNA) IgG,CSF	PCCA Detected * f2 i2			[None Detected]
AMPA Receptor Ab IgG CBA-IFA Screen, CSF	Detected * t1 i3			[< 1:1]
GABA-BR Ab IgG CBA-IFA Screen, CSF	Detected * t2 i4			[< 1:1]
CASPR2 Ab IgG CBA-IFA Screen, CS	F Detected * t3 i5			[< 1:1]
LGI1 Ab IgG CBA-IFA Screen, CSF				[< 1:1]
CV2 Ab IgG CBA-IFA Screen, CSF				[< 1:1]
SOX1 Antibody, IgG by Immunoblot				[Negative]
CSF Amphiphysin Antibody, CSF	Positive * i9			[Negative]
DPPX Ab IgG CBA-IFA Screen, CSF				[< 1:1]
IgLON5 Ab IgG CBA-IFA Screen, CS:				[< 1:1]
mGluR1 Ab IgG CBA-IFA Screen, CS:				[< 1:1]
Ma2/Ta Antibody, IgG by				
Immunoblot, CSF	High Positive * i13			[Negative]
Glutamic Acid Decarboxylase	10 0 H i14	IU/mL		[0.0-5.0]
Antibody CSF	10.0	10/11111		[0.0-3.0]
Neuronal Nuclear Abs IgG, IB, CSF   I	Report/Verified: 2/6/2025 09:49 MST			
Procedure	Result	Units		Reference Interval
Neuronal Nuclear Ab (Hu) IgG,IB CSF	, Positive * <sup>i15</sup>			[Negative]
Neuronal Nuclear Ab (Ri) IgG,IB CSF	, High Positive * <sup>i16</sup>			[Negative]
Neuronal Nuclear Ab (Yo) IgG,IB CSF	, Positive * <sup>i17</sup>			[Negative]
Neuronal Nuclear Ab (TR/DNER) IgG,CSF	Low Positive * f4 i18			[Negative]
Purkinje Cell Antibody Titer, CSF   I	Received: 2/6/2025 09	:36 MST	Report/Verif	Fied: 2/6/2025 09:49
Procedure	Result	Units		Reference Interval
Purkinje Cell Antibody Titer IgG,CSF	1:40 * 119			[< 1:1]
AMPA Rptr Ab IgG Titer by   I CBA-IFA, CSF	Received: 2/6/2025 09	:36 MST	Report/Verif	Fied: 2/6/2025 09:49
Procedure	Result	Units		Reference Interval
AMPA Receptor Ab IgG CBA-IFA Titer,CSF	1:40 * <sup>i20</sup>			[< 1:1]

<sup>\*=</sup>Abnormal, #=Corrected, C=Critical, f=Result Footnote, H-High, i-Test Information, L-Low, t-Interpretive Text, @=Performing lab

 ${\it Unless \ otherwise \ indicated, \ testing \ performed \ at:}$ 

**ARUP Laboratories** 

500 Chipeta Way, Salt Lake City, UT 84108

Laboratory Director: Jonathan R. Genzen, MD, PhD

**ARUP Accession**: 25-037-900078 **Report Request ID**: 20291658

**Printed:** 2/10/2025 08:54 MST

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Unknown

CASPR2 Ab IgG Titer by CBA-IFA, CSF	Received: 2/6/2025	09:36 MST	Report/Verified: 2/6/2025 09:49 MST		
Procedure CASPR2 Ab IgG CBA-IFA Titer,CS	Result SF 1:40 * <sup>i21</sup>	Units	Reference Interval [< 1:1]		
CV2 Ab IgG Titer by CBA-IFA, CSF	Received: 2/6/2025	09:36 MST	Report/Verified: 2/6/2025 09:49 MST		
Procedure CV2 Ab IgG CBA-IFA Titer,CSF	Result 1:10 * <sup>i22</sup>	Units	Reference Interval [< 1:1]		
DPPX Ab IgG Titer by CBA-IFA, CSF	F Received: 2/6/2025	09:36 MST	Report/Verified: 2/6/2025 09:49 MST		
Procedure DPPX Ab IgG CBA-IFA Titer, CSF	Result 1:20 * <sup>i23</sup>	Units	Reference Interval [< 1:1]		
GABA-B Rptr Ab IgG Titer by CBA-IFA, CSF	Received: 2/6/2025	09:36 MST	Report/Verified: 2/6/2025 09:49 MST		
Procedure GABA-BR Ab IgG CBA-IFA Titer,	Result CSF 1:20 * <sup>i24</sup>	Units	Reference Interval [< 1:1]		
IgLON5 Ab IgG CBA-IFA Titer, CSF	Received: 2/6/2025	09:36 MST	Report/Verified: 2/6/2025 09:49 MST		
Procedure IgLON5 Ab IgG CBA-IFA Titer,CS	Result SF 1:10 * <sup>125</sup>	Units	Reference Interval [< 1:1]		
LGI1 Ab IgG Titer by CBA-IFA, CSF	F Received: 2/6/2025	09:36 MST	Report/Verified: 2/6/2025 09:49 MST		
Procedure LGI1 Ab IgG CBA-IFA Titer, CSF	Result 1:20 * <sup>i26</sup>	Units	Reference Interval [< 1:1]		
mGluR1 Ab IgG CBA-IFA Titer, CSF	Received: 2/6/2025	09:36 MST	Report/Verified: 2/6/2025 09:49 MST		
Procedure mGluR1 Ab IgG CBA-IFA Titer,CS	Result SF 1:40 * <sup>i27</sup>	Units	Reference Interval [< 1:1]		
Interpretive Text  t1: 2/6/2025 09:32 MST (AMPA Receptor Ab IgG CBA-IFA Screen, CSF)  AMPAR Antibody, IgG is detected. Titer results to follow.  t2: 2/6/2025 09:32 MST (GABA-BR Ab IgG CBA-IFA Screen, CSF)					
GABA-BR Antibody, IgG is detected. Titer results to follow.  t3: 2/6/2025 09:32 MST (CASPR2 Ab IgG CBA-IFA Screen, CSF)					

# t6:

2/6/2025 09:32 MST (LGI1 Ab IgG CBA-IFA Screen, CSF)

2/6/2025 09:32 MST (CV2 Ab IgG CBA-IFA Screen, CSF)

2/6/2025 09:32 MST (DPPX Ab IgG CBA-IFA Screen, CSF)

CV2 Antibody, IgG is detected. Titer results to follow. Additional charges apply.

DPPX Antibody, IgG is detected. Titer results to follow.

2/6/2025 09:32 MST (IgLON5 Ab IgG CBA-IFA Screen, CSF) t7:

IgLON5 Antibody, IgG is detected. Titer results to follow.

CASPR2 Antibody, IgG is detected. Titer results to follow.

LGI1 Antibody, IqG is detected. Titer results to follow.

2/6/2025 09:32 MST (mGluR1 Ab IgG CBA-IFA Screen, CSF) t8:

mGluR1 Antibody, IgG is detected. Titer results to follow.

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**ARUP Laboratories** 

t4:

t5:

500 Chipeta Way, Salt Lake City, UT 84108

Laboratory Director: Jonathan R. Genzen, MD, PhD

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Jonathan R. Genzen, MD, PhD, Chief Medical Officer

Patient Age/Sex:

Unknown

#### Result Footnote

f1: NMDA Receptor Ab IgG CBA-IFA, CSF

Antibodies to NMDA were detected; titer was performed at an additional charge.

The ExTINGUISH Trial (safety and efficacy of Inebilizumab in anti-NMDA receptor encephalitis, NCT04372615) is actively recruiting patients. To learn more, or to refer your patient, call 1-844-427-2465, email ExTINGUISH@hsc.utah.edu, or visit https://neuronext.org/projects/nnll1-extinguish.

f2: Paraneoplastic Abs (PCCA/ANNA) IgG, CSF

Antibodies detected, therefore IFA titer and Immunoblot testing to be performed.

f3: SOX1 Antibody, IgG by Immunoblot, CSF

Low positive reactivity to SOX1 detected. Strong clinical correlation is recommended.

f4: Neuronal Nuclear Ab (TR/DNER) IgG, CSF

Low positive reactivity to Tr(DNER) detected. Strong clinical correlation is recommended.

#### Test Information

i1: NMDA Receptor Ab IgG CBA-IFA, CSF
INTERPRETIVE INFORMATION: NMDA Receptor Ab IgG CBA-IFA, CSF

NMDA receptor antibody is found in a subset of patients with autoimmune limbic encephalitis and may occur with or without associated tumor. Decreasing antibody levels may be associated with therapeutic response. In addition, positive results have been reported in patients with non-autoimmune phenotypes. A negative test result does not rule out a diagnosis of autoimmune limbic encephalitis. Results should be interpreted in correlation with the patient's clinical history and other laboratory findings.

This indirect fluorescent antibody assay utilizes full-length GluN1 transfected cell lines for the detection and semiquantification of NMDA receptor IgG antibody.

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.

i2: Paraneoplastic Abs (PCCA/ANNA) IgG, CSF
INTERPRETIVE INFORMATION: Paraneoplastic Abs (PCCA/ANNA) IgG, CSF

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.

i3: AMPA Receptor Ab IgG CBA-IFA Screen, CSF
INTERPRETIVE INFORMATION: AMPA Receptor Ab IgG CBA-IFA
Screen, CSF

Alpha-amino-3-hydroxy-5-methyl-4-isoxazoleproprionic acid receptor (AMPAR) antibody is found in a subset of patients with autoimmune limbic encephalitis and may occur

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Patient Age/Sex:

Unknown

#### Test Information

i3: AMPA Receptor Ab IgG CBA-IFA Screen, CSF

with or without associated tumor. Decreasing antibody levels may be associated with therapeutic response. A negative test result does not rule out a diagnosis of autoimmune encephalitis. Results should be interpreted in correlation with the patient's clinical history and other laboratory findings.

This indirect fluorescent antibody assay utilizes AMPAR transfected cell lines for detection and semiquantification of AMPAR IgG antibody.

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.

i4: GABA-BR Ab IgG CBA-IFA Screen, CSF
INTERPRETIVE INFORMATION: GABA-BR Ab IgG CBA-IFA Screen, CSF

Gamma-amino butyric acid receptor, type B (GABA-BR) antibody is found in a subset of patients with autoimmune epilepsy and other autoimmune neurologic phenotypes; it may occur with or without associated tumor. Decreasing antibody levels may be associated with therapeutic response. A negative test result does not rule out a diagnosis of autoimmune neurologic disease. Results should be interpreted in correlation with the patient's clinical history and other laboratory findings.

This indirect fluorescent antibody assay utilizes GABA-BR transfected cell lines for the detection and semiquantification of GABA-BR IgG antibody.

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.

i5: CASPR2 Ab IgG CBA-IFA Screen, CSF

INTERPRETIVE INFORMATION: CASPR2 Ab IgG CBA-IFA Screen, CSF

Contactin-associated protein-2 (CASPR2) IgG antibody may occur as part of the voltage-gated potassium channel (VGKC) complex antibodies.

The presence of CASPR2 IgG antibody is associated with a wide spectrum of clinical manifestations, including acquired neuromyotonia, limbic encephalitis, painful neuropathy, and Morvan syndrome. Tumors such as thymoma, small cell lung cancer, and other rarer tumors may occur. The full-spectrum of clinical disorders and tumors associated with the CASPR2 IgG antibody continues to be defined. Results should be interpreted in correlation with the patient's clinical history and other laboratory findings.

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Jonathan R. Genzen, MD, PhD, Chief Medical Officer

Patient Age/Sex:

Unknown

#### Test Information

i5: CASPR2 Ab IgG CBA-IFA Screen, CSF

This indirect fluorescent antibody assay utilizes CASPR2 transfected cell lines for the detection and semiquantification of the CASPR2 IgG antibody.

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.

i6: LGI1 Ab IgG CBA-IFA Screen, CSF

INTERPRETIVE INFORMATION: LGI1 Ab IgG CBA-IFA Screen, CSF

Leucine-rich, glioma-inactivated 1 protein (LGI1) IgG antibody may occur as part of the voltage-gated potassium channel (VGKC) complex antibodies.

The presence of LGI1 IgG antibody is mainly associated with limbic encephalitis, hyponatremia, and myoclonic movements. LGI1 IgG antibody is rarely associated with tumors but may occur infrequently in Morvan syndrome, neuromyotonia, and idiopathic epilepsy. The full-spectrum of clinical disorders associated with the LGI1 IgG antibody continues to be defined. Results should be interpreted in correlation with the patient's clinical history and other laboratory findings.

This indirect fluorescent antibody assay utilizes LGI1 transfected cell lines for the detection and semi-quantification of the LGI1 IgG antibody.

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.

i7: CV2 Ab IgG CBA-IFA Screen, CSF

INTERPRETIVE INFORMATION: CV2 Ab IgG CBA-IFA Screen, CSF

CV2 antibodies aid in discriminating between chronic paraneoplastic neurological disorder (PND) and other inflammatory disorders of the nervous system. Anti-CV2 is associated with small-cell lung cancer and thymoma. A negative test result does not rule out a diagnosis of autoimmune neurologic disease. Results should be interpreted in correlation with the patient's clinical history and other laboratory findings.

This indirect fluorescent antibody assay utilizes CV2 transfected cell lines for the detection and semiquantification of the CV2 IgG antibody.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the U.S. Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.

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Jonathan R. Genzen, MD, PhD, Chief Medical Officer

Patient Age/Sex:

Unknown

#### Test Information

i8: SOX1 Antibody, IgG by Immunoblot, CSF

INTERPRETIVE INFORMATION: SOX1 Antibody, IgG by Immunoblot,

CSF

SOX1 antibody is detected in patients with Lambert-Eaton myasthenic syndrome (LEMS) and in patients with paraneoplastic cerebellar degeneration (PCD), paraneoplastic and nonparaneoplastic neuropathy. SOX1 antibody is associated with small cell lung cancer. A negative test result does not rule out a diagnosis of LEMS or other causes of paraneoplastic neurological syndrome.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the U.S. Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.

i9: Amphiphysin Antibody, CSF

INTERPRETIVE INFORMATION: Amphiphysin Antibody IgG, CSF

Amphiphysin antibody is present in about 5 percent of patients with stiff-person syndrome and is found variably in other causes of paraneoplastic neurological syndrome (PNS). Amphiphysin antibody is mainly associated with small-cell lung cancer and breast tumors.

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.

i10: DPPX Ab IgG CBA-IFA Screen, CSF

INTERPRETIVE INFORMATION: DPPX Ab IgG CBA-IFA Screen, CSF

DPPX antibody is found in a subset of patients with autoimmune encephalitis, and is often associated with prodromal gastrointestinal symptoms and unintentional weight loss. It may occur with or without associated tumor. Decreasing antibody levels may be associated with therapeutic response. A negative test result does not rule out a diagnosis of autoimmune neurologic disease. Results should be interpreted in correlation with the patient's clinical history and other laboratory findings.

This indirect fluorescent antibody assay utilizes DPPX transfected cells for the detection and semiquantification of the DPPX IgG antibody.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the U.S. Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.

ill: IgLON5 Ab IgG CBA-IFA Screen, CSF

INTERPRETIVE INFORMATION: IgLON5 Ab IgG CBA-IFA Screen, CSF

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Jonathan R. Genzen, MD, PhD, Chief Medical Officer

Patient Age/Sex:

Unknown

# Test Information

ill: IgLON5 Ab IgG CBA-IFA Screen, CSF

IgLON Family Member 5 (IgLON5) antibody is found in a subset of patients with autoimmune encephalitis or other autoimmune neurologic/neurodegenerative disorders and may occur with or without associated tumor. A negative test result does not rule out a diagnosis of an autoimmune neurologic disorder. Interpretation of any anti-neural antibody test requires clinical correlation.

This indirect fluorescent antibody assay utilizes IgLON5 transfected cell lines for detection and semi-quantification of IgLON5 IgG antibody.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the U.S. Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.

i12: mGluR1 Ab IgG CBA-IFA Screen, CSF

INTERPRETIVE INFORMATION: mGluR1 Ab IgG CBA-IFA Screen, CSF

Metabotropic glutamate receptor 1 (mGluR1) antibody is found in a subset of patients with autoimmune cerebellar ataxia or autoimmune encephalitis and may occur with or without associated tumor. A negative test result does not rule out a diagnosis of autoimmune cerebellar ataxia or limbic encephalitis. Interpretation of any anti-neural antibody test requires clinical correlation.

This indirect fluorescent antibody assay utilizes mGluR1 transfected cell lines for detection and semi-quantification of mGluR1 IgG antibody.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the U.S. Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.

i13: Ma2/Ta Antibody, IgG by Immunoblot, CSF INTERPRETIVE INFORMATION: Ma2/Ta Antibody, IgG by Immunoblot, CSF

IgG antibodies to Ma2/Ta are associated with paraneoplastic neurologic syndromes with phenotypes most often including a combination of limbic encephalitis, diencephalic encephalitis, and brainstem encephalitis. Patients with anti-Ma2/Ta paraneoplastic neurologic syndromes should be thoroughly evaluated for cancer, including testicular cancer and adenocarcinoma, as neurologic symptoms often precede cancer diagnosis. Use of immune checkpoint inhibitors has also been associated with an increased risk of anti-Ma2 paraneoplastic neurologic disease. Consider sending testing in serum as well as CSF to improve diagnostic yield. Results (positive or negative) should be interpreted in the context of the patient's complete clinical picture, as false positives may occur and a negative result does not exclude the diagnosis of paraneoplastic neurologic disease.

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Patient Age/Sex:

Unknown

## Test Information

i13: Ma2/Ta Antibody, IgG by Immunoblot, CSF

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the U.S. Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.

i14: Glutamic Acid Decarboxylase Antibody CSF

INTERPRETIVE INFORMATION: Glutamic Acid Decarboxylase

Antibody, CSF

A value greater than  $5.0~{\rm IU/mL}$  is considered positive for glutamic acid decarboxylase antibody (GAD AB CSF).

This assay is intended for the semi-quantitative determination of the GAD Ab in human CSF. Results should be interpreted within the context of clinical symptoms.

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.

i15: Neuronal Nuclear Ab (Hu) IgG, IB, CSF

INTERPRETIVE INFORMATION: Neuronal Nuclear Ab (Hu)

IqG, IB, CSF

This test detects  $\operatorname{IgG}$  antineuronal antibodies to  $\operatorname{Hu}$ ,  $\operatorname{Ri}$ , and  $\operatorname{Yo}$  and  $\operatorname{Tr}$  (DNER) antigens.

Antineuronal antibodies serve as markers that aid in discriminating between a true paraneoplastic neurological disorder (PND) and other inflammatory disorders of the nervous system. Anti-Hu (antineuronal nuclear antibody, type I) is associated with small cell lung cancer. Anti-Ri (antineuronal nuclear antibody, type II) is associated with neuroblastoma in children and with fallopian tube and breast cancer in adults. Anti-Yo (anti-Purkinje cell cytoplasmic antibody) is associated with ovarian and breast cancer. Anti-Tr(DNER) is associated with Hodgkin's lymphoma.

The presence of one or more of these antineuronal antibodies supports a clinical diagnosis of PND and should lead to a focused search for the underlying neoplasm.

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.

i16: Neuronal Nuclear Ab (Ri) IgG, IB, CSF

INTERPRETIVE INFORMATION: Neuronal Nuclear Ab (Ri) IgG, IB,

CSF

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

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Unknown

## Test Information

i16: Neuronal Nuclear Ab (Ri) IgG, IB, CSF

Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

i17: Neuronal Nuclear Ab (Yo) IgG, IB, CSF

INTERPRETIVE INFORMATION: Neuronal Nuclear Ab (Yo) IgG, IB,

CSF

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.

i18: Neuronal Nuclear Ab (TR/DNER) IgG, CSF

INTERPRETIVE INFORMATION: Neuronal Nuclear Ab (TR/DNER)

IqG, CSF

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.

i19: Purkinje Cell Antibody Titer IgG, CSF

INTERPRETIVE INFORMATION: Purkinje Cell Antibody Titer IgG, CSF

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i20: AMPA Receptor Ab IgG CBA-IFA Titer, CSF

INTERPRETIVE INFORMATION: AMPA Receptor Ab IgG CBA-IFA

Titer, CSF

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.

i21: CASPR2 Ab IgG CBA-IFA Titer, CSF

INTERPRETIVE INFORMATION: CASPR2 Ab IgG CBA-IFA Titer, CSF

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.

i22: CV2 Ab IgG CBA-IFA Titer, CSF

INTERPRETIVE INFORMATION: CV2 Ab IgG CBA-IFA Titer, CSF

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Jonathan R. Genzen, MD, PhD, Chief Medical Officer

Patient Age/Sex:

Unknown

#### Test Information

i23: DPPX Ab IgG CBA-IFA Titer, CSF
INTERPRETIVE INFORMATION: DPPX Ab IgG CBA-IFA Titer, CSF

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.

i24: GABA-BR Ab IgG CBA-IFA Titer, CSF
INTERPRETIVE INFORMATION: GABA-BR Ab IgG CBA-IFA Titer, CSF

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.

i25: IgLON5 Ab IgG CBA-IFA Titer, CSF
INTERPRETIVE INFORMATION: IgLON5 Ab IgG CBA-IFA Titer, CSF

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the U.S. Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.

i26: LGI1 Ab IgG CBA-IFA Titer, CSF
INTERPRETIVE INFORMATION: LGI1 Ab IgG CBA-IFA Titer, CSF

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.

i27: mGluR1 Ab IgG CBA-IFA Titer, CSF
INTERPRETIVE INFORMATION: mGluR1 Ab IgG CBA-IFA Titer, CSF

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the U.S. Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.

\*=Abnormal, #=Corrected, C=Critical, f=Result Footnote, H-High, i-Test Information, L-Low, t-Interpretive Text, @=Performing lab

Unless otherwise indicated, testing performed at: ARUP Laboratories

500 Chipeta Way, Salt Lake City, UT 84108

Laboratory Director: Jonathan R. Genzen, MD, PhD

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