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 09:33	MST		
Autoimmune Movement Disorder Panel, Ser2	Received: 2/6/2025 09	:36 MST	Report/Verified: 2/6/2025 09:54 MST
Procedure	Result	Units	Reference Interval
Neuronal Antibody (Amphiphysin)			[Negative]
Purkinje Cell/Neuronal Nuclear IgG Scrn	PCCA Detected * f1 i	2	[None Detected]
NMDA Receptor Ab IgG CBA-IFA, Serum	1:640 * f2 i3		[<1:10]
CASPR2 Ab IgG CBA-IFA Screen, Serum	Detected * t1 i4		[<1:10]
LGI1 Ab IgG CBA-IFA Screen,Seru	um Detected * t2 i5		[<1:10]
CV2 Ab IgG CBA-IFA Screen, Serum			[<1:100]
AMPA Receptor Ab IgG CBA-IFA	Detected * t4 i7		[<1:10]
Scrn,Serum GABA-BR Ab IgG CBA-IFA Scrn,Sei	r Detected * t5 i8		[<1:10]
SOX1 Antibody, IgG by Immunoblot			[Negative]
DPPX Ab IgG CBA-IFA Screen,Seru	um Detected * t6 i10		[<1:10]
GABA-AR Ab IgG CBA-IFA Screen, Serum			[<1:10]
IgLON5 Ab IgG CBA-IFA Screen, Serum	Detected * t8 i12		[<1:10]
mGluR1 Ab IgG CBA-IFA Screen, Serum	Detected * t9 i13		[<1:10]
Ma2/Ta Antibody,IgG by Immunoblot,Ser	High Positive * 114		[Negative]
KLHL11 Ab IgG CBA-IFA Screen, Serum	Detected * t10 i15		[<1:10]
P/Q-Type Calcium Channel Antibody	50.0 H il6	pmol/L	[0.0-24.5]
Glutamic Acid Decarboxylase Antibody	10.0 H 117	IU/mL	[0.0-5.0]
<u>-</u>	Received: 2/6/2025 09	:36 MST	Report/Verified: 2/6/2025 09:54 MST
Procedure Neuronal Nuclear Ab (Hu) IgG,IE Serum	Result B, High Positive * il8	Units	Reference Interval [Negative]
Neuronal Nuclear Ab (Ri) IgG,IE Serum	B, Positive * ⁱ¹⁹		[Negative]
Purkinje Cell Ab (Yo) IgG,IB,Se	er Low Positive * f4 i20		[Negative]
Purkinje Cell Ab (TR/DNER) IgG, IB,Ser			[Negative]

^{*=}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

ARUP Accession: 25-037-900082

Report Request ID: 20291749

Printed: 2/10/2025 09:27 MST

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Unknown

Purkinje Cell Ab Titer, IgG	Received:	2/6/2025	09:36 MST	Report/Verified: 2/6/2025 09:54 MST
Procedure	Result		Units	Reference Interval
Purkinje Cell Antibody Titer	IgG 1:80 * ¹²²	l .		[<1:10]
AMPA Rptr Ab IgG Titer by CBA-IFA, Ser	Received:	2/6/2025	09:36 MST	Report/Verified: 2/6/2025 09:54 MST
Procedure	Result		Units	Reference Interval
AMPA Receptor Ab IgG CBA-IFA Titer, Ser	1:10 * 123			[<1:10]
CASPR2 Ab IgG Titer by CBA-IFA, Ser	Received:	2/6/2025	09:36 MST	Report/Verified: 2/6/2025 09:54 MST
Procedure	Result		Units	Reference Interval
CASPR2 Ab IgG CBA-IFA Titer, Serum	1:320 * 1	24		[<1:10]
CV2 Ab IgG Titer by CBA-IFA, Ser	Received:	2/6/2025	09:36 MST	Report/Verified: 2/6/2025 09:54 MST
Procedure	Result		Units	Reference Interval
CV2 Ab IgG CBA-IFA Titer, Seru	m 1:800 * i	25		[<1:100]
DPPX Ab IgG Titer by CBA-IFA, Ser	Received:	2/6/2025	09:36 MST	Report/Verified: 2/6/2025 09:54 MST
Procedure	Result		Units	Reference Interval
DPPX Ab IgG CBA-IFA Titer, Ser	um 1:80 * ¹²⁶			[<1:10]
GABA-A Receptor IgG CBA-IFA Titer, Serum	Received:	2/6/2025	09:36 MST	Report/Verified: 2/6/2025 09:54 MST
Procedure GABA-AR Ab IgG CBA-IFA Titer, Serum	Result 1:160 * i	27	Units	Reference Interval [<1:10]
GABA-B Rptr Ab IgG Titer by	Received:	2/6/2025	00.36 Mgm	Report/Verified: 2/6/2025 09:54
CBA-IFA, Ser	Received.	2/0/2023	09.30 MB1	MST
Procedure	Result		Units	Reference Interval
GABA-BR Ab IgG CBA-IFA Titer,	Ser 1:40 * i28	1		[<1:10]
IgLON5 Ab IgG CBA-IFA Titer,	Received:	2/6/2025	09:36 MST	Report/Verified: 2/6/2025 09:54
Serum		_, ,, _,_,		MST
Procedure	Result		Units	Reference Interval
IgLON5 Ab IgG CBA-IFA Titer, Serum	1:160 * 1	29		[<1:10]
KLHL11 Ab IgG CBA-IFA Titer, Serum	Received:	2/6/2025	09:36 MST	Report/Verified: 2/6/2025 09:54 MST
Procedure	Result		Units	Reference Interval
KLHL11 Ab IgG CBA-IFA Titer, Serum	1:160 * i	30		[<1:10]
LGI1 Ab IgG Titer by CBA-IFA, Sen	Received:	2/6/2025	09:36 MST	Report/Verified: 2/6/2025 09:54 MST
Procedure	Result		Units	Reference Interval
LGI1 Ab IgG CBA-IFA Titer, Ser	um 1:640 * i	31		[<1:10]

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

PATIENT REPORT

Unknown

Patient Age/Sex:

mGluR1 Ab IgG CBA-IFA Titer, Received: 2/6/2025 09:36 MST Report/Verified: 2/6/2025 09:54

Serum MS

Procedure Result Units Reference Interval

mGluR1 Ab IgG CBA-IFA Titer, 1:160 * 132 [<1:10]

Serum

Interpretive Text

t1: 2/6/2025 09:33 MST (CASPR2 Ab IgG CBA-IFA Screen, Serum)

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

t2: 2/6/2025 09:33 MST (LGI1 Ab IgG CBA-IFA Screen, Serum)

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

t3: 2/6/2025 09:33 MST (CV2 Ab IgG CBA-IFA Screen, Serum)

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

t4: 2/6/2025 09:33 MST (AMPA Receptor Ab IgG CBA-IFA Scrn, Serum)

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

t5: 2/6/2025 09:33 MST (GABA-BR Ab IgG CBA-IFA Scrn, Ser)

GABA-BR Antibody, IgG is detected. Titer results to follow.

t6: 2/6/2025 09:33 MST (DPPX Ab IgG CBA-IFA Screen, Serum)

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

t7: 2/6/2025 09:33 MST (GABA-AR Ab IgG CBA-IFA Screen, Serum)

GABA-AR Antibody, IgG is detected. Titer results to follow.

t8: 2/6/2025 09:33 MST (IgLON5 Ab IgG CBA-IFA Screen, Serum)

IqLON5 Antibody, IqG is detected. Titer results to follow.

t9: 2/6/2025 09:33 MST (mGluR1 Ab IgG CBA-IFA Screen, Serum)

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

t10: 2/6/2025 09:33 MST (KLHL11 Ab IgG CBA-IFA Screen, Serum)

KLHL11 Antibody, IgG is detected. Titer results to follow.

Result Footnote

f1: Purkinje Cell/Neuronal Nuclear IgG Scrn

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

f2: NMDA Receptor Ab IgG CBA-IFA, Serum

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/nnlll-extinguish.

f3: SOX1 Antibody, IgG by Immunoblot, Serum

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

f4: Purkinje Cell Ab (Yo) IgG, IB, Ser

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

Test Information

i1: Neuronal Antibody (Amphiphysin)

INTERPRETIVE INFORMATION: Amphiphysin Antibody, IgG

Amphiphysin antibody is present in about 5 percent of patients with stiff-person syndrome and is found variably in other causes of paraneoplastic neurological

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

Patient Age/Sex:

Unknown

Test Information

il: Neuronal Antibody (Amphiphysin)

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.

i2: Purkinje Cell/Neuronal Nuclear IgG Scrn
INTERPRETIVE INFORMATION: Purkinje Cell/Neuronal Nuclear IgG Scrn

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: NMDA Receptor Ab IgG CBA-IFA, Serum

INTERPRETIVE INFORMATION: NMDA Receptor Ab IgG CBA-IFA,
Serum

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. Serum testing should be paired with CSF testing for improved diagnostic sensitivity.

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.

i4: CASPR2 Ab IgG CBA-IFA Screen, Serum INTERPRETIVE INFORMATION: CASPR2 Ab IgG CBA-IFA Screen,

Serum

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

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PATIENT REPORT

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

Patient Age/Sex:

Unknown

Test Information

i4: CASPR2 Ab IgG CBA-IFA Screen, Serum

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.

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.

i5: LGI1 Ab IgG CBA-IFA Screen, Serum INTERPRETIVE INFORMATION: LGI1 Ab IgG CBA-IFA Screen, Serum

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 semiquantification 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.

i6: CV2 Ab IgG CBA-IFA Screen, Serum INTERPRETIVE INFORMATION: CV2 Ab IgG CBA-IFA Screen, Serum

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.

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

Patient Age/Sex:

Unknown

Test Information

i6: CV2 Ab IgG CBA-IFA Screen, Serum

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i7: AMPA Receptor Ab IgG CBA-IFA Scrn, Serum

INTERPRETIVE INFORMATION: AMPA Receptor Ab IgG CBA-IFA Scrn,

Serum

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 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 the 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.

i8: GABA-BR Ab IgG CBA-IFA Scrn, Ser

INTERPRETIVE INFORMATION: GABA-BR Ab IGG CBA-IFA Scrn, Ser

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.

i9: SOX1 Antibody, IgG by Immunoblot, Serum

INTERPRETIVE INFORMATION: SOX1 Antibody, IgG by Immunoblot,

Serum

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

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

Patient Age/Sex:

Unknown

Test Information

i9: SOX1 Antibody, IgG by Immunoblot, Serum

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.

i10: DPPX Ab IgG CBA-IFA Screen, Serum

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

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: GABA-AR Ab IgG CBA-IFA Screen, Serum

INTERPRETIVE INFORMATION: GABA-AR Ab IgG CBA-IFA Screen,

Serum

Gamma-aminobutyric acid receptor, type A (GABA-AR) antibody is found in a subset of patients with autoimmune encephalitis or autoimmune epilepsy and may occur with or without associated tumor. A negative test result does not rule out a diagnosis of autoimmune limbic encephalitis or autoimmune epilepsy. Interpretation of any antineural antibody test requires clinical correlation.

This indirect fluorescent antibody assay utilizes GABA-AR transfected cell lines for detection and semi-quantification of GABA-AR 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: IgLON5 Ab IgG CBA-IFA Screen, Serum

INTERPRETIVE INFORMATION: IgLON5 Ab IgG CBA-IFA Screen,

Serum

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Patient Age/Sex:

Unknown

Test Information

i12: IgLON5 Ab IgG CBA-IFA Screen, Serum

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 antineural 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.

il3: mGluR1 Ab IqG CBA-IFA Screen, Serum

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

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 antineural 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.

i14: Ma2/Ta Antibody, IgG by Immunoblot, Ser INTERPRETIVE INFORMATION: Ma2/Ta Antibody, IgG by Immunoblot, Ser

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 CSF as well as serum 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

i14: Ma2/Ta Antibody, IgG by Immunoblot, Ser

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.

i15: KLHL11 Ab IgG CBA-IFA Screen, Serum

INTERPRETIVE INFORMATION: KLHL11 Antibody, IgG by CBA-IFA,
Serum

IgG antibodies to KLHL11 are associated with paraneoplastic neurologic syndromes with phenotypes most often including a combination of brainstem and cerebellar encephalitis as well as sensorineural hearing loss. Patients with anti-KLHL11 syndromes should be thoroughly evaluated for cancer, including testicular cancer, as neurologic symptoms often precede cancer diagnosis. Consider sending testing in CSF as well as serum to improve diagnostic yield. Coexisting and clinically relevant antineural antibodies have been reported; consider ordering a phenotype-specific panel to assess for these. 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 immune-mediated neurologic disease.

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i16: P/Q-Type Calcium Channel Antibody

INTERPRETIVE INFORMATION: P/Q-Type Calcium Channel Antibody

0.0 to 24.5 pmol/L Negative 24.6 to 45.6 pmol/L Indeterminate 45.7 pmol/L or greater..... Positive

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i17: Glutamic Acid Decarboxylase Antibody
INTERPRETIVE INFORMATION: Glutamic Acid Decarboxylase Antibody

A value greater than 5.0 IU/mL is considered positive for Glutamic Acid Decarboxylase Antibody (GAD Ab). This assay is intended for the semi-quantitative determination of the GAD Ab in human serum. Results should be interpreted within the context of clinical symptoms.

i18: Neuronal Nuclear Ab (Hu) IgG, IB, Serum INTERPRETIVE INFORMATION: Neuronal Nuclear Ab IgG,

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

Patient Age/Sex:

Unknown

Test Information

i18: Neuronal Nuclear Ab (Hu) IgG, IB, Serum

Immunoblot, Ser

This test detects IgG antineuronal antibodies to Hu, Ri, Yo and 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 detected by both immunoblot (IB) and immunofluorescence (IFA) supports a clinical diagnosis of PND and should lead to a focused search for the underlying neoplasm. A positive IB result but negative IFA result is of questionable clinical significance. Thus, strong clinical correlation is recommended.

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: Neuronal Nuclear Ab (Ri) IgG, IB, Serum

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

Serum

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.

i20: Purkinje Cell Ab (Yo) IgG, IB, Ser

INTERPRETIVE INFORMATION: Purkinje Cell Ab (Yo) IgG, IB, Ser

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: Purkinje Cell Ab (TR/DNER) IgG, IB, Ser

INTERPRETIVE INFORMATION: Purkinje Cell Ab (TR/DNER) IgG,

IB, Ser

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: Purkinje Cell Antibody Titer IgG

INTERPRETIVE INFORMATION: Purkinje Cell Ab Titer, IgG

*=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 **ARUP Accession:** 25-037-900082 **Report Request ID:** 20291749

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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

Test Information

i22: Purkinje Cell Antibody Titer IgG

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.

i23: AMPA Receptor Ab IgG CBA-IFA Titer, Ser

INTERPRETIVE INFORMATION: AMPA Receptor Ab IgG CBA-IFA

Titer, Ser

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: CASPR2 Ab IgG CBA-IFA Titer, Serum

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

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: CV2 Ab IgG CBA-IFA Titer, Serum

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

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.

i26: DPPX Ab IgG CBA-IFA Titer, Serum

INTERPRETIVE INFORMATION: DPPX Ab IgG CBA-IFA Titer, Serum

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: GABA-AR Ab IgG CBA-IFA Titer, Serum

INTERPRETIVE INFORMATION: GABA-AR Ab IqG CBA-IFA Titer,

Serum

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.

i28: GABA-BR Ab IgG CBA-IFA Titer, Ser

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

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

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ARUP Laboratories

500 Chipeta Way, Salt Lake City, UT 84108 Laboratory Director: Jonathan R. Genzen, MD, PhD **ARUP Accession**: 25-037-900082 **Report Request ID**: 20291749

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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

Test Information

i28: GABA-BR Ab IgG CBA-IFA Titer, Ser

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.

i29: IgLON5 Ab IgG CBA-IFA Titer, Serum

INTERPRETIVE INFORMATION: IgLON5 Ab IgG CBA-IFA Titer, Serum

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.

i30: KLHL11 Ab IgG CBA-IFA Titer, Serum

INTERPRETIVE INFORMATION: KLHL11 Ab IgG CBA-IFA Titer,

Serum

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.

i31: LGI1 Ab IgG CBA-IFA Titer, Serum

INTERPRETIVE INFORMATION: LGI1 Ab IqG CBA-IFA Titer, Serum

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.

i32: mGluR1 Ab IgG CBA-IFA Titer, Serum

INTERPRETIVE INFORMATION: mGluR1 Ab IgG CBA-IFA Titer, Serum

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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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:** 25-037-900082 **Report Request ID:** 20291749

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