

Specimen Collected: 2/10/2025 06:52 MST

Autoimmune Movement Disorder Panel, CSF2		Received: 2/10/2025 06:53 MST	Report/Verified: 2/10/2025 07:25 MST
Procedure	Result	Units	Reference Interval
NMDA Receptor Ab IgG CBA-IFA, CSF	1:10 * f1 i1		[< 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, CSF	Detected * t3 i5		[< 1:1]
LGI1 Ab IgG CBA-IFA Screen, CSF	Detected * t4 i6		[< 1:1]
CV2 Ab IgG CBA-IFA Screen, CSF	Detected * t5 i7		[< 1:1]
SOX1 Antibody, IgG by Immunoblot, CSF	High Positive * i8		[Negative]
Amphiphysin Antibody, CSF	Positive * i9		[Negative]
DPPX Ab IgG CBA-IFA Screen, CSF	Detected * t6 i10		[< 1:1]
GABA-AR Ab IgG CBA-IFA Screen, CSF	Detected * t7 i11		[< 1:1]
IgLON5 Ab IgG CBA-IFA Screen, CSF	Detected * t8 i12		[< 1:1]
mGluR1 Ab IgG CBA-IFA Screen, CSF	Detected * t9 i13		[< 1:1]
Ma2/Ta Antibody, IgG by Immunoblot, CSF	Positive * i14		[Negative]
KLHL11 Ab IgG CBA-IFA Screen, CSF	Detected * t10 i15		[< 1:1]
Glutamic Acid Decarboxylase Antibody CSF	10.0 # i16	IU/mL	[0.0-5.0]

Neuronal Nuclear Abs IgG, IB, CSF		Received: 2/10/2025 06:53 MST	Report/Verified: 2/10/2025 07:25 MST
Procedure	Result	Units	Reference Interval
Neuronal Nuclear Ab (Hu) IgG, IB, CSF	Low Positive * f3 i17		[Negative]
Neuronal Nuclear Ab (Ri) IgG, IB, CSF	High Positive * i18		[Negative]
Neuronal Nuclear Ab (Yo) IgG, IB, CSF	Positive * i19		[Negative]
Neuronal Nuclear Ab (TR/DNER) IgG, CSF	Positive * i20		[Negative]

Purkinje Cell Antibody Titer, CSF		Received: 2/10/2025 06:53 MST	Report/Verified: 2/10/2025 07:25 MST
Procedure	Result	Units	Reference Interval
Purkinje Cell Antibody Titer IgG, CSF	1:40 * i21		[< 1:1]

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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: 25-041-900013

Report Request ID: 20291784

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AMPA Rptr Ab IgG Titer by CBA-IFA, CSF	Received: 2/10/2025 06:53 MST	Report/Verified: 2/10/2025 07:25 MST
Procedure	Result	Units
AMPA Receptor Ab IgG CBA-IFA Titer,CSF	1:160 * ⁱ²²	Reference Interval [< 1:1]
CASPR2 Ab IgG Titer by CBA-IFA, CSF	Received: 2/10/2025 06:53 MST	Report/Verified: 2/10/2025 07:25 MST
Procedure	Result	Units
CASPR2 Ab IgG CBA-IFA Titer,CSF	1:80 * ⁱ²³	Reference Interval [< 1:1]
CV2 Ab IgG Titer by CBA-IFA, CSF	Received: 2/10/2025 06:53 MST	Report/Verified: 2/10/2025 07:25 MST
Procedure	Result	Units
CV2 Ab IgG CBA-IFA Titer,CSF	1:40 * ⁱ²⁴	Reference Interval [< 1:1]
DPPX Ab IgG Titer by CBA-IFA, CSF	Received: 2/10/2025 06:53 MST	Report/Verified: 2/10/2025 07:25 MST
Procedure	Result	Units
DPPX Ab IgG CBA-IFA Titer,CSF	1:20 * ⁱ²⁵	Reference Interval [< 1:1]
GABA-A Receptor IgG CBA-IFA Titer, CSF	Received: 2/10/2025 06:53 MST	Report/Verified: 2/10/2025 07:25 MST
Procedure	Result	Units
GABA-AR Ab IgG CBA-IFA Titer,CSF	1:1280 * ⁱ²⁶	Reference Interval [< 1:1]
GABA-B Rptr Ab IgG Titer by CBA-IFA, CSF	Received: 2/10/2025 06:53 MST	Report/Verified: 2/10/2025 07:25 MST
Procedure	Result	Units
GABA-BR Ab IgG CBA-IFA Titer,CSF	1:40 * ⁱ²⁷	Reference Interval [< 1:1]
IgLON5 Ab IgG CBA-IFA Titer, CSF	Received: 2/10/2025 06:53 MST	Report/Verified: 2/10/2025 07:25 MST
Procedure	Result	Units
IgLON5 Ab IgG CBA-IFA Titer,CSF	1:320 * ⁱ²⁸	Reference Interval [< 1:1]
KLHL11 Ab IgG CBA-IFA Titer, CSF	Received: 2/10/2025 06:53 MST	Report/Verified: 2/10/2025 07:25 MST
Procedure	Result	Units
KLHL11 Ab IgG CBA-IFA Titer,CSF	>1:1280 * ⁱ²⁹	Reference Interval [< 1:1]
LGI1 Ab IgG Titer by CBA-IFA, CSF	Received: 2/10/2025 06:53 MST	Report/Verified: 2/10/2025 07:25 MST
Procedure	Result	Units
LGI1 Ab IgG CBA-IFA Titer,CSF	1:20 * ⁱ³⁰	Reference Interval [< 1:1]
mGluR1 Ab IgG CBA-IFA Titer, CSF	Received: 2/10/2025 06:53 MST	Report/Verified: 2/10/2025 07:25 MST
Procedure	Result	Units
mGluR1 Ab IgG CBA-IFA Titer,CSF	1:640 * ⁱ³¹	Reference Interval [< 1:1]
ITPR1 Ab IgG CBA-IFA, CSF, with Rflx	Received: 2/10/2025 06:53 MST	Report/Verified: 2/10/2025 07:27 MST
Procedure	Result	Units
ITPR1 Ab IgG CBA-IFA Screen,CSF	Detected * ^{t11 i32}	Reference Interval [< 1:1]

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ITPR1 Ab IgG CBA-IFA Titer, CSF | Received: 2/10/2025 06:53 MST Report/Verified: 2/10/2025 07:27 MST

Procedure	Result	Units	Reference Interval
ITPR1 Ab IgG CBA-IFA Titer,CSF	1:40 * ⁴³³		[< 1:1]

Interpretive Text

t1: 2/10/2025 06:52 MST (AMPA Receptor Ab IgG CBA-IFA Screen, CSF)
AMPA Antibody, IgG is detected. Titer results to follow.

t2: 2/10/2025 06:52 MST (GABA-BR Ab IgG CBA-IFA Screen, CSF)
GABA-BR Antibody, IgG is detected. Titer results to follow.

t3: 2/10/2025 06:52 MST (CASPR2 Ab IgG CBA-IFA Screen, CSF)
CASPR2 Antibody, IgG is detected. Titer results to follow.

t4: 2/10/2025 06:52 MST (LGI1 Ab IgG CBA-IFA Screen, CSF)
LGI1 Antibody, IgG is detected. Titer results to follow.

t5: 2/10/2025 06:52 MST (CV2 Ab IgG CBA-IFA Screen, CSF)
CV2 Antibody, IgG is detected. Titer results to follow. Additional charges apply.

t6: 2/10/2025 06:52 MST (DPPX Ab IgG CBA-IFA Screen, CSF)
DPPX Antibody, IgG is detected. Titer results to follow.

t7: 2/10/2025 06:52 MST (GABA-AR Ab IgG CBA-IFA Screen, CSF)
GABA-AR Antibody, IgG is detected. Titer results to follow.

t8: 2/10/2025 06:52 MST (IgLON5 Ab IgG CBA-IFA Screen, CSF)
IgLON5 Antibody, IgG is detected. Titer results to follow.

t9: 2/10/2025 06:52 MST (mGluR1 Ab IgG CBA-IFA Screen, CSF)
mGluR1 Antibody, IgG is detected. Titer results to follow.

t10: 2/10/2025 06:52 MST (KLHL11 Ab IgG CBA-IFA Screen, CSF)
KLHL11 Antibody, IgG is detected. Titer results to follow.

t11: 2/10/2025 06:52 MST (ITPR1 Ab IgG CBA-IFA Screen, CSF)
ITPR1 Antibody, IgG is detected. Titer results to follow.

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/nn111-extinguish>.

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

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

f3: Neuronal Nuclear Ab (Hu) IgG, IB, CSF

Low positive reactivity to Hu 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

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Test Information

i1: NMDA Receptor Ab IgG CBA-IFA, CSF
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-isoxazolepropionic acid receptor (AMPA) 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 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.

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

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.

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.

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i6: LGI1 Ab IgG CBA-IFA Screen, CSF

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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.

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

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Test Information

i9: Amphiphysin Antibody, CSF
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.

i11: GABA-AR Ab IgG CBA-IFA Screen, CSF
INTERPRETIVE INFORMATION: GABA-AR Ab IgG CBA-IFA Screen, CSF

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 anti-neural 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, CSF
INTERPRETIVE INFORMATION: 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.

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Test Information

i12: IgLON5 Ab IgG CBA-IFA Screen, CSF

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.

i13: 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.

i14: 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.

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, CSF

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

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Test Information

i15: KLHL11 Ab IgG CBA-IFA Screen, CSF

CSF

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 serum as well as CSF 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: Glutamic Acid Decarboxylase Antibody CSF

INTERPRETIVE INFORMATION: Glutamic Acid Decarboxylase
Antibody, CSF

A value greater than 5.0 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.

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

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

This test detects IgG antineuronal antibodies to Hu, Ri, and 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.

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Test Information

i17: Neuronal Nuclear Ab (Hu) IgG, IB, CSF
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.

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i18: 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 Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

i19: 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.

i20: Neuronal Nuclear Ab (TR/DNER) IgG, CSF
INTERPRETIVE INFORMATION: Neuronal Nuclear Ab (TR/DNER) 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.

i21: Purkinje Cell Antibody Titer IgG, CSF
INTERPRETIVE INFORMATION: Purkinje Cell Antibody Titer IgG, CSF

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i22: AMPA Receptor Ab IgG CBA-IFA Titer, CSF
INTERPRETIVE INFORMATION: AMPA Receptor Ab IgG CBA-IFA Titer, CSF

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i23: CASPR2 Ab IgG CBA-IFA Titer, CSF
INTERPRETIVE INFORMATION: CASPR2 Ab IgG CBA-IFA Titer, CSF

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i23: CASPR2 Ab IgG CBA-IFA Titer, CSF

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i24: CV2 Ab IgG CBA-IFA Titer, CSF

INTERPRETIVE INFORMATION: CV2 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: 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.

i26: GABA-AR Ab IgG CBA-IFA Titer, CSF

INTERPRETIVE INFORMATION: GABA-AR 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.

i27: 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.

i28: 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.

i29: KLHL11 Ab IgG CBA-IFA Titer, CSF

INTERPRETIVE INFORMATION: KLHL11 Ab IgG CBA-IFA Titer,
CSF

*=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: 25-041-900013

Report Request ID: 20291784

Printed: 2/10/2025 09:52 MST

Test Information

i29: KLHL11 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.

i30: 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.

i31: 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.

i32: ITPR1 Ab IgG CBA-IFA Screen, CSF

INTERPRETIVE INFORMATION: ITPR1 Ab IgG CBA-IFA Screen, CSF

Inositol 1, 4, 5-trisphosphate receptor type 1 (ITPR1) antibody is found in a subset of patients with autoimmune cerebellar ataxia, encephalitis, neuropathy, or myelopathy and may occur with or without associated tumor. A negative test result does not rule out a diagnosis of autoimmune cerebellar ataxia or related autoimmune neurologic disorders. Interpretation of any anti-neural antibody test requires clinical correlation.

This indirect fluorescent antibody assay utilizes ITPR1 transfected cell lines for detection and semi-quantification of ITPR1 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.

i33: ITPR1 Ab IgG CBA-IFA Titer, CSF

INTERPRETIVE INFORMATION: ITPR1 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.

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500 Chipeta Way, Salt Lake City, UT 84108

Laboratory Director: Jonathan R. Genzen, MD, PhD

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Report Request ID: 20291784

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ARUP LABORATORIES | aruplab.com

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 REPORT

Patient Age/Sex:

Unknown

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

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