

ARUP AUTOIMMUNE NEUROLOGY SERUM PANEL COMPONENTS

Test Name (Test Number)	Cell Surface and Synaptic Antibodies																	Intracellular Antibodies													
	AChR Binding Ab, IgG	AChR Blocking Ab, IgG	AChR Modulating Ab, IgG	AMPA Ab, IgG	AQP4 Ab, IgG	CASPR2 Ab, IgG	DPPX Ab, IgG	GABA-AR Ab, IgG	GABA-BR Ab, IgG	Ganglionic AChR Ab, IgG	IgLON5 R Ab, IgG	LG11 R Ab, IgG	mGluR1 Ab, IgG	MOG1 Ab, IgG	NMDAR Ab, IgG	N-Type VGCC Ab, IgG	P/Q-Type VGCC Ab, IgG	PCCA-Tr/DNER	Striated muscle Abs, IgG	Titin Ab, IgG	VGKC Abs, IgG	Amphiphysin Ab, IgG	ANNA-1 (Hu)	ANNA-2 (Ri)	CV2 (CRMP-5) Ab, IgG	GAD65 Ab	ITPR1 Ab, IgG	PCCA-1 (Yo)	Recoverin Ab, IgG	SOX1 (AGNA) Ab, IgG	TAT (days)
Autoimmune Neurologic Disease Panel with Reflex, Serum (3006051) ^b	✓ ^a			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3-10
Autoimmune Encephalopathy/Dementia Panel, Serum (3006201) ^b				✓		✓	✓			✓	✓	✓		✓			✓					✓	✓	✓	✓		✓		✓	3-10	
Autoimmune Epilepsy Panel, Serum (3006204) ^b				✓		✓	✓	✓	✓		✓	✓		✓			✓					✓	✓	✓	✓	✓	✓		✓	3-10	
Autoimmune Movement Disorder Panel, Serum (3006206) ^b				✓		✓	✓	✓	✓		✓	✓		✓		✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	3-10	
Autoimmune Pediatric CNS Disorders, Serum (3006210) ^b				✓	✓	✓	✓	✓	✓		✓	✓	✓	✓			✓					✓			✓					3-10	
Autoimmune Myelopathy Panel, Serum (3006208) ^b				✓		✓		✓				✓	✓				✓					✓	✓	✓	✓	✓		✓		3-10	
Autoimmune Dysautonomia Panel, Serum (3006203)						✓	✓		✓		✓											✓		✓						3-10	
Autoimmune Stiff-Person Disorders, Serum (3006234) ^b							✓				✓											✓			✓					3-10	
Paraneoplastic Reflexive Panel (3002929) ^b																	✓					✓	✓	✓	✓		✓	✓		1-9	
Autoimmune Neuromuscular Junction Reflexive Panel (3003017)	✓	✓	✓ ^a						✓						✓	✓			✓	✓	✓									2-8	
Autoimmune CNS Demyelinating Disease Reflexive Panel (3001283)				✓									✓																	1-6	
Autoimmune Vision Loss Panel, Serum (3016804)																									✓			✓		1-8	

^aReflex.

^bComplementary CSF panel available.

AChR, acetylcholine receptor; AGNA1, antiangial nuclear antibody (targets SOX1); AMPAR, alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid receptor; ANNA-1, antineuronal nuclear antibody type 1; ANNA-2, antineuronal nuclear antibody type 2; AQP4, aquaporin-4; CASPR2, contactin-associated protein 2; CRMP-5, collapsin response-mediator protein 5; CSF, cerebrospinal fluid; DNER, Delta/notch-like epidermal growth factor-related receptor; DPPX, dipeptidyl-aminopeptidase-like protein 6; GABA-AR, gamma-aminobutyric acid type receptor, type A; GABA-BR, gamma-aminobutyric acid receptor, type B; GAD65, glutamic acid decarboxylase 65-kd isoform; IGLON5, IGLON family member 5; ITPR1, inositol 1,4,5-trisphosphate receptor type 1; LGI1, leucine-rich, glioma-inactivated 1 protein; mGluR1, metabotropic glutamate receptor 1; MOG, myelin oligodendrocyte glycoprotein; NMDAR, N-methyl-D-aspartate receptor; N-type VGCC, N-type voltage-gated calcium channel antibody; PCCA-1, Purkinje cell cytoplasmic antibody type 1; PCCA-Tr, Purkinje cell cytoplasmic antibody type Tr; P/Q-type VGCC, P/Q-type voltage-gated calcium channel; SOX1, SRY-box transcription factor 1; TAT, turnaround time; VGKC, voltage-gated potassium channel

As testing for newly described antibodies becomes available and their clinical relevance is established, these panels will evolve to reflect these discoveries.

ARUP AUTOIMMUNE NEUROLOGY CSF PANEL COMPONENTS

Test Name (Test Number)	Cell Surface and Synaptic Antibodies												Intracellular Antibodies							TAT (days)	
	AMPA Ab, IgG	AQP4 Ab, IgG	CASPR2 Ab, IgG	DPPX Ab, IgG	GABA-AR Ab, IgG	GABA-BR Ab, IgG	IgLON5 Ab, IgG	LG11 Ab, IgG	mGluR1 Ab, IgG	NMDAR Ab, IgG	PCCA-Tr/DNER	VGKC Ab, IgG	Amphiphysin Ab, IgG	ANNA-1 (Hu)	ANNA-2 (Rt)	CV2 (CRMP-5) Ab, IgG	GAD65 Ab	ITPR1 Ab, IgG	PCCA-1 (Yo)		SOX1 (AGNA) Ab, IgG
Autoimmune Neurologic Disease Panel With Reflex, CSF (3006052) ^b	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3-10
Autoimmune Encephalopathy/Dementia Panel, CSF (3006202) ^b	✓		✓	✓		✓	✓	✓	✓	✓	✓		✓	✓	✓	✓			✓	✓	3-10
Autoimmune Epilepsy Panel, CSF (3006205) ^b	✓		✓	✓	✓	✓		✓	✓	✓	✓		✓	✓	✓	✓			✓	✓	3-10
Autoimmune Movement Disorder Panel, CSF (3006207) ^b	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	3-10
Autoimmune Pediatric CNS Disorders, CSF (3006211) ^b		✓	✓	✓	✓	✓		✓	✓	✓	✓			✓		✓					3-10
Autoimmune Myelopathy Panel, CSF (3006209) ^b		✓		✓		✓			✓		✓		✓	✓	✓	✓			✓	✓	3-10
Autoimmune Stiff-Person Disorders, CSF (3006235) ^b				✓									✓			✓					3-10
Paraneoplastic Reflexive Panel, CSF (3004517) ^b											✓		✓	✓	✓				✓	✓	1-9

^aReflex.

^bComplementary serum panel available.

AGNA1, antiglial nuclear antibody (targets SOX1); AMPAR, alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid receptor; ANNA-1, antineuronal nuclear antibody type 1; ANNA-2, antineuronal nuclear antibody type 2; AQP4, aquaporin-4; CASPR2, contactin-associated protein 2; CRMP-5, collapsin response-mediator protein 5; CSF, cerebrospinal fluid; DNER, Delta/notch-like epidermal growth factor-related receptor; DPPX, dipeptidyl-aminopeptidase-like protein 6; GABA-AR, gamma-aminobutyric acid receptor, type A; GABA-BR, gamma-aminobutyric acid receptor, type B; GAD65, glutamic acid decarboxylase 65-kd isoform; IgLON5, IgLON family member 5; ITPR1, inositol 1,4,5-trisphosphate receptor type 1; LG11, leucine-rich, glioma-inactivated protein 1; mGluR1, metabotropic glutamate receptor 1; NMDAR, N-methyl-D-aspartate receptor; PCCA-1, Purkinje cell cytoplasmic antibody type 1; PCCA-Tr, Purkinje cell cytoplasmic antibody type Tr; SOX1, SRY-box transcription factor 1; TAT, turnaround time; VGKC, voltage-gated potassium channel

As testing for newly described antibodies becomes available and their clinical relevance is established, these panels will evolve to reflect these discoveries.

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