

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 | Gaanglionic 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.

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ARUP AUTOIMMUNE NEUROLOGY CSF PANEL COMPONENTS

| Test Name (Test Number) | Cell Surface and Synaptic Antibodies | | | | | | | | | | | | Intracellular Antibodies | | | | | | | TAT (days) | |
|---|--------------------------------------|--------------|----------------|--------------|-----------------|-----------------|----------------|--------------|----------------|---------------|--------------|--------------|--------------------------|-------------|-------------|----------------------|----------|---------------|-------------|------------|---------------------|
| | AMPA ^a 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

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