

Tests not yet approved by Health Canada for diagnostics are labeled as Research Use Only (RUO). See [Page 2](#) for a list of Diagnostic Tests. Please mark **ALL tests** to be done. **Patient Information, Referring Physician, and Referring Laboratory are ALL REQUIRED for samples to be processed without delay.**

PATIENT INFORMATION

Patient Name (Surname, First name)

Gender      Female      Male      Other

Personal Health Number

Date of Birth (dd/mm/yy)

Address (for non-Alberta Residents)

REFERRING PHYSICIAN INFORMATION

Physician Name (Surname, First name)

Phone Number

Fax Number

Email address

Comments

REFERRING LABORATORY INFORMATION

Laboratory Name

Address

Phone number

Fax number

Email address

SAMPLE INFORMATION

Sample Type      Serum      Cerebrospinal Fluid (CSF)

Time and Date Collected (dd/mm/yy)

Comments

SAMPLE COLLECTION

**Sample Collection Procedure:** Serum samples should be obtained from blood collected in a Serum Separator Tube (SST). Serum obtained from a single SST tube is preferred. Cerebrospinal fluid (CSF; 3mLs) samples should be sent in a small sterile tube and/or a polystyrene tube. Serum samples may be refrigerated and shipped with ice packs. CSF samples should be frozen and shipped on dry-ice if possible. If both serum and CSF are to be shipped together, samples may be shipped with ice packs (4°C).

SHIPPING INFORMATION

Please ensure your samples are scheduled to arrive **before 3pm on Friday** of any desired workweek. Please do not send samples on weekends or holidays as Mitogen will be closed and SAMPLES WILL NOT BE RECEIVED UNTIL THE FOLLOWING WORKWEEK. Shipments from any shipping company are accepted (including Purolator and FedEx). Tracking numbers should be retained for delivery confirmation. If problems arise or your package is not delivered promptly please email us at [lab@mitogendx.com](mailto:lab@mitogendx.com)

**Shipping--See Intra-Canada Shipping Guide/International Shipping Guide.** Please send properly labeled and packaged samples with this requisition to: Mitogen Diagnostics Laboratory, HRIC 3A26, 3330 Hospital Dr. NW Calgary, AB T2N 4N1

RECEIVING RESULTS

Results typically follow 7-10 days after receipt of sample, depending on the test(s) requested. Please visit our website for turnaround times for specific tests ([www.mitogendx.com](http://www.mitogendx.com)).

Results/reports are entered into Millennium/NetCare/SMN system. If you have not received your results, please contact the laboratory that sent your sample. For missing or delayed reports, please contact us.

CONTACT US

**MitogenDx Laboratory**  
 Cumming School of Medicine, University of Calgary  
 3330 Hospital Drive NW, HRIC 3A26  
 Calgary, AB, T2N 4N1  
 Phone: 403-800-8851 Fax: 403-800-8852  
 Email: [lab@mitogendx.com](mailto:lab@mitogendx.com)  
 Visit our website: [www.mitogendx.com](http://www.mitogendx.com)

NOTE: **Highlighted tests** require prior approval by Alberta Precision Labs (contact Dr. Jessica Gifford at [Jessica.gifford@albertaprecisionlabs.ca](mailto:Jessica.gifford@albertaprecisionlabs.ca))

GENERAL, LUPUS & SJOGRENS SYNDROME	LUNG
<p><b>Advanced ANA – Anti-Cellular Antibodies (includes interpretation of HEP-2 Atypical Nuclear, Cytoplasmic and ICAP Cell Cycle Patterns)</b></p> <p><b>Systemic Lupus Erythematosus Panel</b> Anti-Sm, U1RNP, Ro52/TRIM21, SSA/Ro60, SSB/La, PCNA, dsDNA, Ku, Ribosomal-P, Chromatin</p> <p><b>Anti-dsDNA</b> Anti-Double Stranded DNA / dsDNA (IgG)</p> <p><b>Anti-Single-Stranded DNA</b> Anti-Single Stranded DNA / ssDNA (IgG)</p> <p><b>Anti-Histone (Drug-Induced Lupus, systemic rheumatic diseases)</b> Anti-Histone (IgG)</p> <p><b>Anti-DFS70 (Dense Fine Speckled70 / LEDGF)</b> Anti-Dense Fine Speckled70 (anti-DFS70) / LEDGF</p> <p><b>Sjögren's Syndrome Panel</b> Anti-SSA/Ro, SSB/La, Ro52/TRIM21</p> <p><b>Anti-Nuclear Envelope / Membrane Test Panel (Laboratory Developed Test)</b> Anti-TPR, gp210, LaminB</p> <p><b>Cytoplasmic Dot Panel (RUO)</b> Anti-GW182, GE-1, Ago2, Early Endosome Antigen 1</p>	<p><b>Interstitial Lung Disease (ILD) Antibody Panel</b> Anti-CENP A+B, Topo-I/Scl-70, RNA polymerase III, fibrillarin, Th/To/hPOP1, Ku, PDGFR, Ro52/TRIM21, PM/Scl-75, PM/Scl-100, Nor90/Hubf, Jo-1, Mi2, Mi2-α, Mi2β, MDA5, NXP2, TIF1γ, PL7, PL12, Ku, SRP, EJ, OJ (to be expanded in 2021)</p> <p><b>Krebs von den Lungen (KL-6) (RUO)</b></p> <p><b>Alveolar Proteinosis (Anti-GMCSF) (Laboratory Developed Test)</b> Anti-Granulocyte-macrophage colony-stimulating factor (GM-CSF)</p>
	ENCEPHALITIS
	<p><b>Anti-NMDA (NR1) Receptor</b> Anti-glutamate receptor (type NMDA)</p> <p><b>Anti-DPPX (dipeptidyl aminopeptidase-like 6)</b> Anti-Dipeptidyl aminopeptidase-like protein 6</p> <p><b>Anti-VGKC (Voltage gated potassium channel) LGI1 &amp; CASPR2</b> Anti-Contactin-associated protein 2 (CASPR2) &amp; Anti-Leucine-rich glioma-inactivated protein 1 (LGI1)</p> <p><b>Anti-GABA<sub>B</sub> Receptor</b> Anti-γ-amino-butyric acid Receptor (GABA<sub>B</sub>)</p> <p><b>Anti-AMPA Receptor</b> Anti-glutamate receptor (type AMPA1/2)</p>
SCLERODERMA & SKIN	NEURO
<p><b>Scleroderma / Systemic Sclerosis Panel</b> Anti-CENP A + B, Topo-I/Scl-70, RNA polymerase III, fibrillarin/U3RNP, Th/To/hPOP1, Ku, PDGFR, Ro52/TRIM21, PM/Scl-75, PM/Scl-100, NOR90/Hubf</p> <p><b>Bullous &amp; Autoimmune Skin Disease Panel</b> Anti-BP180, BP230, Desmoglein-1, Desmoglein-3</p> <p><b>Nucleolar Autoantibody Panel (ANA + Scleroderma Antigens)</b> HEP-2 IFA Titer and Pattern &amp; Anti-CENP A + B, Topo-I/Scl-70, RNA polymerase III, fibrillarin/U3RNP, Th/To/hPOP1, Ku, PDGFR, Ro52/TRIM21, PM/Scl-75, PM/Scl-100, NOR90/Hubf (to be expanded in 2021)</p>	<p><b>Neurological Disease Test Panel (IgG +IgM) (Serum only)</b> Anti-GM1, GM2, GM3, GD1a, GD1b, GT1b, GQ1b</p> <p><b>Neuromyelitis Optica Spectrum Disorder (NMOSD) (Anti-Aquaporin 4 &amp; MOG)</b> Anti-Aquaporin 4 (AQP4 / NMO) / Anti-Myelin Oligodendrocyte Glycoproteins (MOG)</p> <p><b>Anti-Myelin Associated Glycoproteins (MAG)</b> Anti-Myelin Associated Glycoproteins (MAG)</p> <p><b>Anti-GAD 65 (Glutamate Decarboxylase)</b> Anti-Glutamate Decarboxylase</p> <p><b>High-Sensitivity Neurofilament (heavy chain)</b> Neurofilament Heavy Chain (pNF-H)</p> <p><b>High-Sensitivity Neurofilament (light chain) (RUO)</b> Neurofilament Light Chain (pNF-L)</p> <p><b>Idiopathic Ataxia/ Peripheral Neuropathy Anti-MPP-1 (Laboratory Developed Test)</b> Anti-MPP1</p>
ARTHRITIS	VASCULITIS
<p><b>Arthritis Panel</b> Anti-Citrullinated peptide 3 (CCP-3), circulating Calprotectin</p>	<p><b>ANCA (PR3, MPO by BioFlash)</b> Anti-neutrophil cytoplasmic antibody (ANCA): perinuclear ANCA (MPO), cytoplasmic ANCA (PR3)</p> <p><b>Atypical ANCA: Anti-LAMP2, Anti-Elastase (Laboratory Developed Test)</b> Anti-LAMP2, Anti-Elastase</p>
MUSCLE & MYOPATHY	CANCER
<p><b>Autoimmune Myopathy / Myositis Panel PLUS</b> Anti-Jo-1, Mi2-α, Mi2-β, MDA5, NXP2, TIF1γ, PL7, PL12, PM/Scl75, PM/Scl100, Ku, SRP, EJ, OJ, Ro52, SAE1, HMGR, NT5C1 A/Mup44</p> <p><b>Anti-SMN / GEMIN1 / RuvB1/B2 (Laboratory Developed Test)</b> Anti-SMN/Gemin1; anti-RuvB1/B2 (IgG)</p> <p><b>Anti-Acetylcholine Receptor (AChR) / Myasthenia Gravis</b> Anti-Acetylcholine Receptor (AChR)</p>	<p><b>Cancer-Associated Autoantibody Panel (Laboratory Developed Test)</b> Anti-CENP-F1, CENP-F4, p53</p> <p><b>Paraneoplastic Disease Panel PLUS</b> Anti-Amphiphysin, Ri (NOVA-1), Yo, Hu, PNMA2 (Ma2/Ta), CV2.1, Recoverin, SOX1, Titin, Zic4, GAD65, Tr (DNER)</p>
ANTIPHOSPHOLIPID SYNDROME	SPECIALIZED/OTHER
<p><b>Anti-Beta-2 Glycoprotein 1 – Domain 1 (D1 β2GP1)</b> Anti-β2Glycoprotein1-Domain 1 (IgG)</p> <p><b>Anti-Cardiolipin (IgG + IgM)</b> Anti-Cardiolipin (IgG &amp;M)</p> <p><b>Anti-Phosphatidylserine / Prothrombin Complex (PS/PT) (IgG + IgM)</b> Anti-phosphatidylserine (PS) / prothrombin (PT) (IgG &amp; IgM)</p>	<p><b>Sleep Disorder (anti-IgLON5)</b> Anti-IgLON family member 5 (IgLON5)</p>
NEPHRITIS & IBD	COMMENTS
<p><b>Anti-PLA2R</b> Anti-phospholipase A2 receptors (PLA2R)</p> <p><b>Anti-THSD7A (thrombospondin)</b> Anti-thrombospondin type-1 domain-containing protein 7A (THSD7A)</p> <p><b>Uromodulin</b> Uromodulin Levels</p> <p><b>ASCA (IgG + IgA) Inflammatory Bowel Disease</b> Anti-Saccharomyces cerevisiae (ASCA IgG/IgA)</p>	
LIVER	
<p><b>Autoimmune Liver Disease Panel PLUS (serum only)</b> Anti- AMA-M2, M2-3EBPO, LKM, SLA, SP100, gp210, PML, LC-1, Ro 52/TRIM21, SSA / Ro 60, Scl-70, Centromere A, Centromere B, PGDH</p>	