

### MitogenDx – Test Information Summary

#### Schedule of Clinical Autoantibody Tests, Price Schedule & Turnaround Times

Effective: November 1, 2023

Name of Test/Assay***	Procedure/Technique	Price (\$CDN)	Turnaround time (*Days after sample registered in system*)
Anti-Cellular Antibodies	IIF on HEp-2 substrate with pattern interpretation	28.95	7-10
Systemic Lupus Erythematosus Panel	LIA	96.75	7-10
<b>DNA Antibodies:</b>			
• Anti-dsDNA	CIA	41.95	7-10
Anti-Single Stranded DNA	ELISA	37.87	7-10
Anti-Histone: Drug Induced Lupus	LIA	73.78	7-10
Dense Fine Speckled ANA Pattern (Anti-DFS70 Target)	CIA	68.95	7-10
Sjögren Syndrome Profile	LIA	65.95	7-10
Anti-Nuclear Envelope / Membrane Test Panel (RUO): Anti-TPR, gp210, Lamin B**	ALBIA	99.95	7-10
Cytoplasmic Dot Profile**	ALBIA (LDT)	175.87	7-10
Scleroderma/Systemic Sclerosis Profile	LIA	129.95	7-10
Bullous & Autoimmune Skin Disease Panel: Anti-BP180, bP230, Desmoglein-1, Desmoglein-3	CBA	295.87	7-10
Nucleolar Autoantibody Profile	IFA, LIA	167.50	7-10
Arthritis Panel	CIA	79.88	7-10
<b>Myopathy / Myositis Profile PLUS</b>			
• HMGR			
• Myositis Profile	ELISA LIA	205.87	7-10

Name of Test/Assay	Procedure/Technique	Price (\$CDN)	Turnaround time (Days after sample registered in system)
Anti-SMN / Gemin1**	ALBIA (LDT)	49.95	7-10
Myasthenia Gravis:			
• Anti-Acetylcholine Receptor (AChR)	ELISA	89.95	7-10
Anti-β2Glycoprotein1-Domain 1 (IgG)	CIA	74.87	7-10
Anti-Cardiolipin (IgG + IgM)	ELISA/CIA	84.95	7-10
Anti-Phosphatidylserine / Prothrombin Complex Test (PS/PT) (IgG + IgM)	ELISA	89.95	7-10
Anti-PLA2R	CBA	175.75	7-10
Anti-PLA2R-E	Quantitative ELISA	67.95	7-10
Anti-THSD7A (thrombospondin)	CBA	179.89	7-10
Uromodulin	ELISA	74.95	7-10
ASCA (IgG + IgA)	ELISA	79.90	7-10
Liver Autoimmune Disease 14 Profile PLUS	LIA	129.95	7-10
Interstitial Lung Disease Profile (ILD)	LIA, CIA	249.95	7-10
Krebs von den Lungen 6 (KL-6)	ALBIA (LDT)	49.99	7-10
Alveolar Proteinosis: anti-GMCSF**	ALBIA (LDT)	174.95	7-10

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Encephalitis:	CBA	174.78	7-10
• NMDA (NR1) Receptor Antibodies			
• Anti-DPPX	CBA	144.75	7-10
• Anti-GABAB receptor	CBA	139.95	7-10
• VGKC Antibodies (LGI1 & CASPR2)			
• Anti-AMPA Receptor	CBA	189.97	7-10
	CBA	99.95	7-10
Neurological Disease Profile (IgG, IgM) (Serum/Plasma only)	LIA	194.87	7-10
Neuromyelitis Spectrum Profile	CBA	249.95	7-10
Neurological: Anti-Myelin Associated Glycoproteins (MAG)	LIA	129.87	7-10
Neurological: Anti-GAD65	CBA	74.95	7-10
Neurofilament Heavy Chain (pNf-H)	ELISA	94.99	7-10
Neurofilament Light Chain (Nf-L)	SIMOA	214.95	7-10
Idiopathic Ataxia Anti MPP-1**	ALBIA (LDT)	99.95	7-10
ANCA: PR3, MPO	CIA	85.78	7-10
Atypical ANCA: Anti LAMP-2, anti-elastase**	ALBIA (LDT)	52.95	7-10
Cancer Associated Autoantibody Panel**	ALBIA (LDT)	47.78	10-14
Paraneoplastic Disease Panel PLUS	LIA	195.75	7-10
Anti-IgLON5	CBA	164.95	7-10

Name of Test/Assay	Procedure/Technique	Price (\$CDN)	Turnaround time (Days after sample registered in system)
ADAMTS-13 Activity & Inhibitor	ELISA	427.94	1-2
Cytokine SAA	Luminex (LDT)	59.95	5-10
Cytokine, Chemokine, Growth Factor 15-Plex	Luminex (LDT)	179.95	5-10
Cytokine, Chemokine, Growth Factor 71-Plex	Luminex (LDT)	295.95	5-10
Soluble Cytokine Receptor 14-Plex	Luminex (LDT)	149.95	5-10
Anti-Cytokine Profile	Luminex (LDT)	147.95	5-10
Complement Panel 1: (AH50, CH50, MBL, sc5b-9)	ELISA	189.95	7-10
Complement Panel 2 (Complement 14 plex)	Luminex, ELISA (LDT)	357.00	7-10
Complement Panel 3 (anti-C1q, anti-Factor H)	ELISA (LDT)	89.78	7-10
Complement Panel 4 (C1-IHB, C1 INH Functional assay)	ELISA (LDT)	99.95	7-10
Anti-C1Q	ELISA	34.95	7-10
SAA/Cardiovascular Disease 6-Plex Panel	ELISA	99.95	7-10
Long COVID Angiogenesis & Cardiovascular Biomarker 18-Plex Panel	ELISA	219.95	7-10
Angiogenesis 12-Plex Panel	ELISA	149.95	7-10
Interferon 9-Plex Panel	ELISA	109.95	7-10

**NOTES:**

- \* Pricing adjustments are based on changes in global markets and inflationary pressures that have resulted in increased costs of reagents, laboratory materials, equipment service contracts, as well as delivery and transportation
- \*\* LDT (Laboratory Developed Test)
- \*\*\* PLEASE REFER TO MITOGEN DX WEBSITE FOR DETAILS ON ALL TESTS: <https://www.mitogendx.com>

**Abbreviations:**

**ADAMTS13:** A Disintegrin And Metalloproteinase with Thrombospondin motifs 13; **AIH:** autoimmune hepatitis; **AH50:** alternative complement pathway hemolytic complement; **ALBIA:** addressable laser bead immunoassay by Luminex; **AMPAR:** (a-amino-3-hydroxy-5-mehtyl-4-isoxazole propionate receptor): limbic encephalitis; **ANA:** antinuclear antibody; **ANCA,** anti-cytoplasmic neutrophil antibody; **ASCA:** anti-*Saccharomyces cerevisiae* antibody; **CBA:** cell based assay; **CENP:** centromere protein; **CH50:** classical complement pathway hemolytic complement; **CIA:** chemiluminescence assay (BioFlash); **DFS,** dense fine speckled; **DPPX:** dipeptidyl peptidase like 6; **EEA-1:** early endosome antigen 1; **ELISA:** enzyme linked immunosorbent assay; FDA: Food and Drug Administration (USA); **GAD:** glutamate decarboxylase; **GM-CSF:** granulocyte macrophage colony stimulating factor; HC: Health Canada; **IBD:** inflammatory bowel disease; **IIF:** indirect immunofluorescence; **LAMP,** lysosome associated membrane protein; **LDT,** laboratory developed test; **LIA:** line immunoassay; **MAG:** myelin associate glycoprotein; **MBL:** mannan binding lectin; **MecP2:** methyl CpG binding protein 2; **MPO:** myeloperoxidase; **MPP:** M-phase phosphoprotein 1; **Nf-L:** neurofilament light chain; **NMDA:** N-methyl-D-aspartic acid; **NMO:** neuromyelitis optica spectrum (Devic's Diseases); **PBC:** primary biliary cirrhosis; **PGDH:** (D3) phosphoglycerate dehydrogenase; **PLA2R:** phospholipase A2 receptor; **pNf-H:** phosphorylated heavy chain neurofilament H; **PR3:** proteinase 3; **PS/PT:** phosphatidyl serine/prothrombin complex; pTau: phosphorylated Tau; SAA, serum amyloid A; **SARD:** systemic autoimmune rheumatic diseases (SLE, scleroderma, myositis, Sjögren's syndrome); **sc5b-9:** soluble complement 5-complement 9 also known as membrane attack complex; **SIMOA:** single molecule array; **SLE:** systemic lupus erythematosus; **SMN,** survival of motor neuron; **THSD7A,** thrombospondin type-1 domain-containing protein 7A; **TRIM,** tri-partite motif; **VGKC:** voltage gated potassium channel.

**Components of Disease and Autoantibody Related Panels/Profiles:**

- **Anti-Cellular Antibodies:** Atypical and Cell Cycle Patterns
- **Anti-Cytokine Panel:** αBAFF, αG-CSF, αIFNβ, αIFNγ, αIL-1α, αIL-6, αIL-8, αIL-10, αIL-12p40, αIL-15, αIL-17A, αIL-18, αIL-22, αTNFα
- **Arthritis Panel:** Anti-CCP3 (cyclic citrullinated peptide 3), Calprotectin
- **Liver Autoimmune Disease 14 Profile PLUS:** M2/M3, 3EBPO, LKM, SLA, SP100, gp210, PML, LC-1, Ro 52/TRIM21, Scl-70, Centromere A, Centromere B, PGDH
- **Autoimmune Myopathy / Myositis Profile PLUS (Includes Mup44 & Immune Mediated Necrotizing Profile):** Jo-1, Mi2, Mi2-α, Mi2β, MDA5, NXP2, TIF1γ PL7, PL12, PM/Scl75, PM/Scl100, Ku, SRP, EJ, OJ, Ro52, HMGCR, anti-NT5C1 A/Mup44
- **Bullous Autoimmune Skin Disease Profile:** BP180, BP230, Desmoglein 1, Desmoglein 3
- **Cancer Associated Autoantibody Panel:** CENP-F1, CENP-F4, p53 (LDT)
- **Complement Panel 2:** Adipsin, C1q, C2, C3, C3a, C3b/iC3b, C4, C4b, C5, C5a, Factor B., Factor H, Factor I, Mannose Binding Lectin.
- **Cytoplasmic Dot Profile:** GW Bodies (Ge-1, GW182, Ago-2); EEA1 (LDT)
- **Degenerative Neurological Disease Profile:** Neurofilament light chain, Neurofilament heavy chain
- **Interstitial Lung Disease Profile:** 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
- **Neurological Disease Profile (IgG +IgM):** Anti-GM1, GM2, GM3, GD1a, GD1b, GT1b, GQ1b
- **Neuromyelitis Spectrum Profile:** Anti-Aquaporin 4/ Anti-Myelin Oligodendrocyte Glycoproteins
- **Paraneoplastic Neurological Syndrome PLUS:** Amphiphysin, Ri (NOVA-1), Yo, Hu, PNMA2 (Ma2/Ta), CV2.1, Recoverin, SOX1, Titin, Zic4, GAD65, Tr (DNER)
- **Scleroderma/Systemic Sclerosis Profile:** 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
- **Sjögren Syndrome Profile:** Anti-SS-A/Ro, SS-B/La, anti-Ro52/TRIM21
- **Systemic Lupus Profile:** Anti-Sm, U1RNP, Ro52/TRIM21, SSA/Ro60, SSB/La, PCNA, dsDNA, Ku, Ribosomal-P, Chromatin.