

IMMUNOLOGY

March 22, 2023

Autoimmune Encephalitis Profile**Date effective: April 1, 2023****Background Information:**

The Shared Health Immunology Laboratory at St Boniface Hospital is pleased to announce the introduction of autoimmune encephalitis testing to its ever evolving test menu. Our laboratory strives to provide efficient, reliable, and high-quality services that contribute to enhanced patient care. By providing this service in-house we can ensure testing is performed on fresher samples resulting in more accurate interpretation and reduce turn-around times to assist in earlier diagnosis and treatment.

Clinical Practice Change:

Previously referred to Mitogen Dx in Alberta, testing will now be performed by the Immunology Lab at St. Boniface Hospital using the same methodology – Cell Based Indirect Immunofluorescence. This test provides semiquantitative in vitro determination of human antibodies of immunoglobulin class IgG in patient serum and CSF. Testing will include antibodies to NMDA-R, AMPA, DPPX, VGKC (LGI1 & CASPR2), and GABA_B-R.

*****Testing will be restricted to Neurologists or via prior approval*****

References/Resources:

Test: [Laboratory Information Manual - Encephalitis Profile \(S\)](#)
[Laboratory Information Manual - Encephalitis Profile \(CSF\)](#)

Delphic Code: ENCS (Serum); ENCC (CSF)
Note: When registering ENCC, Specimen Type must be entered as SF

Sample: Serum/CSF 1.0 ml

Normal Range: Serum: <1:10 Titre (Negative)
CASPR2 is reported as borderline at 1:10 and 1:32 Titre.
CSF: <1:1 Titre (Negative)
Positive results will report with a titre

Availability: Weekdays (5day TAT)

Requisition: Immunology Autoimmune Laboratory Requisition [R250-10-85 V02, SAP # 346477]

Patient Impact:

- TAT reduced from 10-14+ days

System Improvements:

- Improved sustainability
- Decreased operating costs

Contact Information:

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