



# Test Definition: AN2TC

Antineuronal Nuclear Antibody Type 2  
(ANNA-2) Titer, Spinal Fluid

**Reporting Title:** ANNA-2 Titer, CSF

**Performing Location:** Mayo Clinic Laboratories - Rochester Main Campus

**Ordering Guidance:**

For investigating a smoker presenting with 1 or more elements of encephalomyeloradiculoneuropathy, order PAVAL / Paraneoplastic Autoantibody Evaluation, Serum.

Serum is preferred. Spinal fluid testing is particularly useful when interfering antibodies are present in the serum.

**Specimen Requirements:**

Only orderable as a reflex. For more information see:

- DMC2 / Dementia, Autoimmune/Paraneoplastic Evaluation, Spinal Fluid
- ENC2 / Encephalopathy, Autoimmune/Paraneoplastic Evaluation, Spinal Fluid
- EPC2 / Epilepsy, Autoimmune/Paraneoplastic Evaluation, Spinal Fluid
- MDC2 / Movement Disorder, Autoimmune/Paraneoplastic Evaluation, Spinal Fluid
- MAC1 / Myelopathy, Autoimmune/Paraneoplastic Evaluation, Spinal Fluid

**Container/Tube:** Sterile vial

**Specimen Volume:** 2 mL

Specimen Type	Temperature	Time	Special Container
CSF	Refrigerated (preferred)	28 days	
	Ambient	72 hours	
	Frozen	28 days	

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
43441	ANNA-2 Titer, CSF	Alphanumeric	titer	94357-1

LOINC® and CPT codes are provided by the performing laboratory.

**Supplemental Report:**

No

**CPT Code Information:**

86256

**Reference Values:**

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- DMC2 / Dementia, Autoimmune/Paraneoplastic Evaluation, Spinal Fluid
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<1:2

Neuron-restricted patterns of IgG staining that do not fulfill criteria for antineuronal nuclear antibody type 2 may be reported as "unclassified antineuronal IgG." Complex patterns that include nonneuronal elements may be reported as "uninterpretable."