

**Reporting Title:** Neuron Specific Enolase, CSF  
**Performing Location:** Mayo Clinic Laboratories - Rochester Superior Drive

**Specimen Requirements:**  
**Container/Tube:** Sterile vial  
**Specimen Volume:** 0.5 mL

**Forms:**

| Specimen Type | Temperature              | Time     | Special Container |
|---------------|--------------------------|----------|-------------------|
| CSF           | Refrigerated (preferred) | 15 days  |                   |
|               | Ambient                  | 72 hours |                   |

**Result Codes:**

| Result ID | Reporting Name               | Type    | Unit  | LOINC®  |
|-----------|------------------------------|---------|-------|---------|
| NSESF     | Neuron Specific Enolase, CSF | Numeric | ng/mL | 44802-7 |

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

**Supplemental Report:**  
No

**CPT Code Information:**  
83520

**Reference Values:**  
Normal: < or =15 ng/mL

Indeterminate: 15-30 ng/mL

Elevated: >30 ng/mL  
Elevated results may indicate the need for additional workup. Possible causes may be neuron-specific enolase-secreting central nervous system/leptomeningeal tumor or rapid neuronal destruction from a variety of causes. In the context of dementia, elevated results may be suggestive of Creutzfeldt-Jakob disease.