

Reporting Title: Alzheimer's Disease Evaluation, CSF**Performing Location:** Rochester**Specimen Requirements:**

Patient Preparation: For 12 hours before specimen collection do not take multivitamins or dietary supplements containing biotin (vitamin B7), which is commonly found in hair, skin, and nail supplements and multivitamins.

Supplies: Alzheimer's Disease Evaluation (ADEVL) Collection Kit (T836)

Container/Tube:

Preferred: Sarstedt CSF False Bottom Tube 63.614.625 (2.5 mL)

Acceptable: Sarstedt 72.703.600 (1.5 mL) or Sarstedt 72.694.600 (2 mL)

Specimen Volume: 1.5 to 2.5 mL

Collection Instructions:

1. Perform lumbar puncture and discard the first 1 to 2 mL of cerebrospinal fluid (CSF).
2. Collect CSF directly into one of the listed collection tubes until the tube is at least 50% full.*
3. Send CSF specimen in original collection tube. Do not aliquot.

Note: Polystyrene collection tubes are not acceptable. Exposure of CSF to polystyrene tubes may result in falsely low Abeta42 concentrations. For more information see Cautions.

*The Alzheimer's Association consensus protocol for handling of CSF for clinical measurements of Abeta42 and tau recommends using the drip method for CSF collection and directly collecting into a low bind polypropylene tube. Although some clinicians prefer the syringe pull method due to speed of collection, the drip method reduces the risk of Abeta42 binding to the plastic of any syringe used.

4. Collection instructions can also be found on Spinal Fluid Specimen Collection Instructions for Alzheimer Disease Evaluation (T967).

Specimen Minimum Volume:

See Specimen Required

Forms:

If not ordering electronically, complete, print, and send a Neurology Specialty Testing Client Test Request (T732) with the specimen.

Specimen Type	Temperature	Time	Special Container
CSF	Refrigerated (preferred)	14 days	BlueTop SARSTEDT
	Frozen	60 days	BlueTop SARSTEDT
	Ambient	12 hours	BlueTop SARSTEDT

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
PTABR	p-Tau/Abeta42	Numeric	ratio	41027-4
ADINT	AD Interpretation	Alphanumeric		69048-7
AB42P	Abeta42	Numeric	pg/mL	33203-1
TTAUP	Total-Tau	Numeric	pg/mL	30160-6
PTAUP	Phospho-Tau(181P)	Numeric	pg/mL	72260-3

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

83520 x 3

Reference Values:

Beta-amyloid (1-42) (Abeta42): >834 pg/mL
Total-Tau: < or =238 pg/mL
Phosphorylated-Tau 181: < or =21.6 pg/mL
p-Tau/Abeta42: < or =0.028