
Reporting Title: VLCAD Deficiency Full Gene Analysis**Performing Location:** Rochester**Shipping Instructions:**

Specimen preferred to arrive within 96 hours of draw.

Specimen Requirements:**Patient Preparation:** A previous bone marrow transplant from an allogenic donor will interfere with testing. Call 800-533-1710 for instructions for testing patients who have received a bone marrow transplant.**Submit only 1 of the following specimens:****Preferred:****Specimen Type:** Whole blood**Container/Tube:** Lavender top (EDTA) or yellow top (ACD)**Specimen Volume:** 3 mL**Collection Instructions:**

1. Invert several times to mix blood.
2. Send specimen in original tube.

Specimen Stability Information: Ambient (preferred)/Refrigerated**Specimen Type:** Blood spot**Supplies:** Card - Blood Spot Collection (Filter Paper) (T493)**Container/Tube:****Preferred:** Collection card (Whatman Protein Saver 903 Paper)**Acceptable:** Ahlstrom 226 filter paper, or Blood Spot Collection Card (T493)**Specimen Volume:** 2 to 5 Blood Spots on collection card (Whatman Protein Saver 903 Paper; Ahlstrom 226 filter paper; or Blood Spot Collection Card)**Collection Instructions:**

1. An alternative blood collection option for a patient >1 year of age is finger stick.
2. Let blood dry on the filter paper at ambient temperature in a horizontal position for 3 hours.
3. Do not expose specimen to heat or direct sunlight.
4. Do not stack wet specimens.
5. Keep specimen dry

Specimen Stability Information: Ambient (preferred)/Refrigerated**Additional Information:**

1. For collection instructions, see [Blood Spot Collection Instructions](#) in Special Instructions.
2. For collection instructions in Spanish, see [Blood Spot Collection Card-Spanish Instructions](#) (T777) in Special Instructions.
3. For collection instructions in Chinese, see [Blood Spot Collection Card-Chinese Instructions](#) (T800) in Special Instructions.

Specimen Type: Cultured fibroblasts**Container/Tube:** T-75 or T-25 flask**Specimen Volume:** 1 Full T-75 or 2 full T-25 flasks

Specimen Stability Information: Ambient (preferred)/Refrigerated <24 hours

Forms:

- [1. New York Clients-Informed consent is required.](#) Document on the request form or electronic order that a copy is on file. The following documents are available in Special Instructions:
- [Informed Consent for Genetic Testing](#) (T576)
 - [Informed Consent for Genetic Testing-Spanish](#) (T826)
2. [Molecular Genetics: Biochemical Disorders Patient Information](#) (T527) in Special Instructions

Specimen Type	Temperature	Time	Special Container
Varies	Varies		

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
54041	Result Summary	Alphanumeric		50397-9
54042	Result	Alphanumeric		82939-0
54043	Interpretation	Alphanumeric		69047-9
54044	Additional Information	Alphanumeric		48767-8
54046	Source	Alphanumeric		31208-2
54047	Released By	Alphanumeric		18771-6
54045	Specimen	Alphanumeric		31208-2

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

Supplemental Report:

No

CPT Code Information:

81406-ACADV (acyl-CoA dehydrogenase, very long chain) (eg, very long chain acyl-coenzyme A dehydrogenase deficiency), full gene sequence

Reference Values:

An interpretive report will be provided.