
Lab Dept: Chemistry

Test Name: MEDIUM CHAIN ACYL-CO-A
DEHYDROGENASE

General Information

Lab Order Codes: MCAD

Synonyms: Medium Chain Acyl-Co-A Dehydrogenase (Mutation Analysis)

CPT Codes: 81479 – Unlisted Molecular Pathology procedure

Test Includes: An interpretive report will be provided.

Logistics

Test Indications: This assay is useful for clinical genetic diagnosis of Mendelian inherited disorders utilizing a next generation sequencing (NGS) platform. This platform allows simultaneous sequencing of a large number of genes using a single assay.

Lab Testing Sections: Chemistry - Sendouts

Referred to: Fairview University Diagnostic Laboratories (Test# MCAD)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: Results within 12 weeks

Special Instructions: Request special collection tube from the laboratory. See [Container](#)

Specimen

Specimen Type: Whole blood

Container: Yellow top (ACD, Solution A) tube

Draw Volume: 10 mL (Minimum: 5 mL) blood

Processed Volume: Same as Draw Volume

Collection:	Routine venipuncture
Special Processing:	Lab Staff: Do Not Centrifuge. Submit specimen intact in original collection container. Store unprocessed blood at room temperature. Do not freeze. Ship at room temperature, forward promptly. Should be received at reference lab within 5 days. Each specimen should be labeled with two forms of patient identification. These forms of identification must also appear on the requisition.
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimens; frozen specimens; specimens greater than 5 days old

Interpretive

Reference Range:	An interpretation is provided with each report.
Critical Values:	N/A
Limitations:	N/A
Methodology:	Next Generation Sequencing (NGS)
References:	Fairview-University Diagnostic Laboratories Web Page http://labguide.fairview.org/diagnostic.asp July 2013