MAYO CLINIC LABORATORIES

TEST CHANGE

Notification Date: Nov 03, 2026
Effective Date: Oct 27, 2026

Fatty Acid Oxidation Gene Panel, Varies

Test ID: HFAOP

Explanation: On the effective date, one gene was added to the HFAOP panel.

Previous Genetics Information	New Genetics Information
This test utilizes next-generation sequencing to detect single nucleotide and copy number variants in 44 genes associated with fatty acid oxidation disorders: *ACAA2, ACACA, ACAD8, ACAD9, ACADL, ACADM, ACADS, ACADSB, ACADVL, ACAT1, ACAT2, ACOT9, ALDH5A1, CPT1A, CPT2, DECR1, ECHS1, ECI1, ETFA, ETFB, ETFDH, ETHE1, FLAD1, GLUD1, HADH, HADHA, HADHB, HMGCL, HMGCS2, HSD17B10, LPIN1, MLYCD, NADK2, OPA1, PPARG, SLC22A5, SLC25A20, SLC25A29, SLC25A32, SLC52A1, SLC52A2, SLC52A3, TANGO2,* and *TAZ*. See Targeted Genes and Methodology Details for Fatty Acid Oxidation Gene Panel and Method Description for additional details.	This test utilizes next-generation sequencing to detect single nucleotide and copy number variants in 45 genes associated with fatty acid oxidation disorders: *ACAA2, ACACA, ACAD8, ACAD9, ACADL, ACADM, ACADS, ACADSB, ACADVL, ACAT1, ACAT2, ACOT9, ALDH5A1, CPT1A, CPT2, DECR1, ECHS1, ECI1, ETFA, ETFB, ETFDH, ETHE1, FLAD1,* ***GCDH****, GLUD1, HADH, HADHA, HADHB, HMGCL, HMGCS2, HSD17B10, LPIN1, MLYCD, NADK2, OPA1, PPARG, SLC22A5, SLC25A20, SLC25A29, SLC25A32, SLC52A1, SLC52A2, SLC52A3, TANGO2,* and *TAZ*. See Method Description and Gene Selection Table for additional details.

Questions

Contact Sarah Wittwer, Laboratory Resource Coordinator at 800-533-1710.

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