MAYO CLINIC LABORATORIES

TEST CHANGE

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

Lysosomal Storage Disease Gene Panel, Varies

Test ID: LSDGP

Explanation: On the effective date, 18 genes were added to the LSDGP panel.

Previous Genetics Information	New Genetics Information
This test utilizes next-generation sequencing to detect single nucleotide and copy number variants in 56 genes associated with lysosomal storage disease: *AGA, ARSA, ARSB, ASAH1, ATP13A2, CHIT1, CLN3, CLN5, CLN6, CLN8, CTNS, CTSA, CTSD, CTSF, CTSK, DNAJC5, FUCA1, GAA, GALC, GALNS, GBA, GFAP, GLA, GLB1, GM2A, GNPTAB, GNPTG, GNS, GRN, GUSB, HEXA, HEXB, HGSNAT, HYAL1, IDS, IDUA, KCTD7, LAMP2, LIPA, MAN2B1, MANBA, MCOLN1, MFSD8, NAGA, NAGLU, NEU1, NPC1, NPC2, PANK2, PPT1, PSAP, SGSH, SLC17A5, SMPD1, SUMF1,* and *TPP1*. See Targeted Genes and Methodology Details for Lysosomal Storage Disease Gene Panel and Method Description for additional details.	This test utilizes next-generation sequencing to detect single nucleotide and copy number variants in 74 genes associated with lysosomal storage disease: ***ABHD5,*** *AGA,* ***AP3B1,*** *ARSA, ARSB, ASAH1, ATP13A2,* ***BLOC1S3, BLOC1S6,*** *CHIT1,* ***CLCN6, CLCN7,*** *CLN3, CLN5, CLN6, CLN8, CTNS, CTSA, CTSD, CTSF, CTSK, DNAJC5,* ***DTNBP1,*** *FUCA1, GAA, GALC, GALNS, GBA, GFAP, GLA, GLB1, GM2A, GNPTAB, GNPTG, GNS,* ***GPC3,*** *GRN, GUSB, HEXA, HEXB, HGSNAT,* ***HPS1, HPS3, HPS4, HPS5, HPS6,*** *HYAL1, IDS, IDUA, KCTD7, LAMP2, LIPA,* ***LYST,*** *MAN2B1, MANBA,* ***MBTPS1,*** *MCOLN1, MFSD8, NAGA, NAGLU, NEU1, NPC1, NPC2, PANK2, PPT1, PSAP, SGSH,* ***SIL1,*** *SLC17A5,* ***SLC29A3,*** *SMPD1, SUMF1, TPP1*, and ***VPS33A***. 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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