MAYO CLINIC LABORATORIES

TEST CHANGE

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

Cholestasis Gene Panel, Varies

Test ID: CHLGP

Explanation: On the effective date, 58 genes were added to the CHLGP panel.

Previous Genetics Information	New Genetics Information
This test utilizes next-generation sequencing to detect single nucleotide and copy number variants in 112 genes associated with cholestasis: *ABCB11, ABCB4, ABCC2, ABCG5, ABCG8, ABHD5, ACOX1, AGL, AGPAT2, AKR1D1, ALDOA ,ALDOB, AMACR, ARSB, ASAH1, ATP8B1, BAAT, BSCL2, CAVIN1, CC2D2A, CIDEC, CLDN1, CFTR, CYP27A1, CYP7A1, CYP7B1, DCDC2, DGUOK, DHCR7, EHHADH, FAH, FBP1, FUCA1, G6PC, GAA, GALNS, GBA, GBE1, GLB1, GNE, GNPTAB, GNS, GUSB, HADHA, HGSNAT, HNF1B, HSD17B4, HSD3B7, IDS, IDUA, INVS, JAG1, KCNH1, LIPA, MAN2B1, MKS1, MPV17, MVK, NAGLU, NEU1, NOTCH2, NPC1, NPC2, NPHP1, NPHP3, NPHP4, NR1H4, PEPD, PEX1, PEX10, PEX11B, PEX12, PEX13, PEX14, PEX16, PEX19, PEX2, PEX26, PEX3, PEX5, PEX6, PEX7, PHKA2, PHKB, PHKG2, PKHD1, PNPLA2, POLG, PRKAG2, PSAP, PYGL, SCP2, SERPINA1, SGSH, SLC10A1, SLC10A2, SLC17A5, SLC25A13, SLC27A5, SLC37A4, SLC7A7, SMPD1, SUMF1, TALDO1, TJP2, TMEM216, TRIM37, TRMU, UGT1A1, VIPAS39, VPS33A,* and *VPS33B*. See Targeted Genes and Methodology Details for Cholestasis Gene Panel and Method Description for additional details.	This test utilizes next-generation sequencing to detect single nucleotide and copy number variants in 170 genes associated with cholestasis: *ABCB11, ABCB4, ABCC2,* ***ABCD3****, ABCG5, ABCG8, ABHD5, ACOX1,* ***ACOX2, ADK****, AGL, AGPAT2, AKR1D1,* ***ALAS2****, ALDOA, ALDOB,* ***ALG1, ALG8****, AMACR,* ***ANKS6, AP1S1, ARG1****, ARSB, ASAH1,* ***ASS1, ATP6AP1, ATP7B****, ATP8B1,* ***B4GALT1****, BAAT,* ***BCS1L****, BSCL2, CAVIN1, CC2D2A,* ***CCDC115, CDAN1****, CIDEC, CFTR, CLDN1,* ***COG6, COG7****, CYP27A1, CYP7A1, CYP7B1, DCDC2, DGUOK, DHCR7, EHHADH, FAH, FBP1,* ***FECH****, FUCA1, G6PC,* ***G6PD****, GAA,* ***GALE****, GALNS,* ***GALT****, GBA, GBE1, GLB1,* ***GLIS3****, GNE, GNPTAB, GNS, GUSB, HADHA,* ***HADHB****, HGSNAT, HNF1B, HSD17B4, HSD3B7,* ***IARS1****, IDS, IDUA, INVS,* ***ITCH****, JAG1, KCNH1,* ***KIF12****, LIPA,* ***LSR****, MAN2B1,* ***MICOS13****, MKS1, MPV17, MVK,* ***MYO5B****, NAGLU,* ***NEK8****, NEU1, NOTCH2, NPC1, NPC2, NPHP1, NPHP3, NPHP4, NR1H4, PEPD, PEX1, PEX10, PEX11B, PEX12, PEX13, PEX14, PEX16, PEX19, PEX2, PEX26, PEX3, PEX5, PEX6, PEX7, PHKA2, PHKB, PHKG2, PKHD1, PNPLA2, POLG,* ***POMC****, PRKAG2, PSAP, PYGL,* ***RFX6, SC5D****, SCP2,* ***SCYL1, SERAC1****, SERPINA1, SGSH, SLC10A1, SLC10A2, SLC17A5,* ***SLC22A5****, SLC25A13,* ***SLC25A15, SLC25A20****, SLC27A5,* ***SLC30A10****, SLC37A4,* ***SLC51A, SLC51B****, SLC7A7,* ***SLCO1B1, SLCO1B3****, SMPD1,* ***STXBP2****, SUMF1, TALDO1,* ***TBX19, TFAM, TFR2****, TJP2, TMEM216,* ***TRAPPC11****, TRIM37, TRMU,* ***TSFM, TTC26, TTC37, TWNK****, UGT1A1,* ***UNC45A, USP53****, VIPAS39,* ***VMA21****, VPS33A, VPS33B,* ***WDR83OS****, and* ***ZFYVE19****.* 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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