

## Inheritest 500 PLUS Panel

Order Name: **Inherit 500P**

Test Number: 5194944

Revision Date: 03/21/2023

TEST NAME	METHODOLOGY	LOINC CODE
Inheritest 500 PLUS Panel	Polymerase Chain Reaction	

### SPECIMEN REQUIREMENTS

Specimen	Specimen Volume (min)	Specimen Type	Specimen Container	Transport Environment
Preferred	8.5 mL (3 mL)	Whole Blood	ACD Solution A or B (Yellow Top)	Room Temperature
Alternate 1	8.5 mL (3 mL)	Whole Blood	EDTA (Lavender Top)	Room Temperature
Alternate 2	1	Saliva	Oragene Dx saliva kit	Room Temperature
Alternate 3	1	Buccal swab	PurFlock buccal swab kit	Room Temperature

**Instructions**

**Specimen Type:** Whole blood or PurFlock buccal swab kit or Oragene Dx saliva kit

**Specimen Volume:** 8.5 mL whole blood or PurFlock buccal swab kit or Oragene Dx saliva kit

**Minimum Volume:** 3 mL whole blood or PurFlock buccal swab kit or Oragene Dx saliva kit

**Collection:** Standard phlebotomy. Follow PurFlock buccal swab kit or Oragene Dx 500 saliva kit collection instructions. Do not eat, drink, smoke, or chew gum 30 min prior to collection.

**Specimen Storage:** Maintain specimen at room temperature or refrigerate at 4C Do not freeze.

**Special Instructions:** Males are not tested for x-linked disorders, including fragile X syndrome. Test orders must include an attestation that the provider has the patient's informed consent for genetic testing.

GENERAL INFORMATION

<b>Expected TAT</b>	14 - 21 days In some cases, additional time may be required for confirmatory or reflex tests.
<b>Clinical Use</b>	<p>This test includes the following genes: AAAS, ABCA12, ABCA3, ABCB11, ABCB4, ABCC8, ABCD1, ABCD4, ACAD9, ACADM, ACADSB, ACADVL, ACAT1, ACOX1, ACSF3, ADA, ADAMTS2, ADGRG1, ADGRV1, AGA, AGL, AGPAT2, AGPS, AGXT, AHI1, AICDA, AIPL1, AIRE, AK2, ALDH3A2, ALDH7A1, ALDOB, ALG1, ALG6, ALMS1, ALOX12B, ALOXE3, ALPL, AMPD2, AMT, ANO10, ANTXR2, AP3B1, ARG1, ARL13B, ARL6, ARSA, ARSB, ARX, ASL, ASNS, ASPA, ASS1, ATM, ATP13A2, ATP6V0A2, ATP6V0A4, ATP6V1B1, ATP6V1E1, ATP7A, ATP7B, ATP8B1, ATRX, AVPR2, B9D1, B9D2, BBS1, BBS10, BBS12, BBS2, BBS4, BBS5, BBS7, BBS9, BCHE, BCKDHA, BCKDHB, BCS1L, BLM, BLOC1S3, BLOC1S6, BMP1, BRIP1, BSND, BTD, BTK, C19orf12, CAD, CAPN3, CAVIN1, CBS, CC2D2A, CCDC8, CCDC88C, CCN6, CD247, CD3D, CD3E, CD3G, CD40, CD40LG, CD8A, CDCA7, CDH23, CEP104, CEP290, CERKL, CERS3, CFTR, CHAT, CHMP1A, CHRNE, CHRNG, CHST6, CIB2, CIITA, CLCF1, CLCN1, CLCN5, CLN3, CLN5, CLN6, CLN8, CLP1, CLRN1, CNGA1, CNGB1, CNGB3, CNTNAP2, COASY, COL4A3, COL4A4, COL4A5, COL7A1, COLQ, CORO1A, CP, CPLANE1, CPS1, CPT1A, CPT2, CRLF1, CRTAP, CTC1, CTNS, CTSB, CTSF, CTSK, CUL7, CWC27, CYBA, CYBB, CYP11A1, CYP11B1, CYP17A1, CYP1B1, CYP21A2, CYP27A1, CYP27B1, CYP4F22, CYP7B1, DBT, DCAF17, DCLRE1C, DDB2, DDC, DHCR7, DHDDS, DLD, DMD, DNMT3B, DOCK8, DOK7, DPYD, DTNBP1, DYNC2H1, DYSF, EDA, EFEMP2, EIF2B1, EIF2B2, EIF2B3, EIF2B4, EIF2B5, ELP1, EMD, ERCC2, ERCC3, ERCC4, ERCC5, ERCC6, ERCC8, ESCO2, ETFA, ETFB, ETFDH, ETHE1, EVC2, EXOSC3, EYS, F9, FA2H, FAH, FAM126A, FAM161A, FANCA, FANCB, FANCC, FANCD2, FANCE, FANCF, FANCG, FANCI, FANCL, FBXL4, FHL1, FKBP10, FKRP, FKTN, FMO3, FMR1, FOXN1, FOXP3, FOXRED1, FRAS1, FREM2, FUCA1, G6PC1, GAA, GALC, GALE, GALK1, GALNS, GALT, GAMT, GATM, GBA, GBE1, GCDH, GFM1, GFPT1, GJB2, GLA, GLB1, GLDC, GLE1, GNE, GNPAT, GNPTAB, GNPTG, GNS, GPHN, GRHR, GRIP1, GSS, GUSB, HADHA, HADHB, HAMP, HAX1, HBA1, HBA2, HBB, HCF1, HELLS, HEXA, HEXB, HGSNAT, HINT1, HJV, HLCS, HMGCL, HOGA1, HPD, HPS1, HPS3, HPS4, HPS5, HPS6, HSD17B10, HSD17B4, HSD3B2, HYAL1, HYLS1, IDS, IDUA, IFT140, IKBKB, IL2RA, IL2RG, IL7R, INPP5E, ITPA, IVD, JAK3, KCNJ1, KCTD7, KIF14, L1CAM, LAMA2, LAMA3, LAMB3, LAMC2, LAMP2, LARS1, LCA5, LCK, LHX3, LIFR, LIG4, LIPA, LIPN, LMBRD1, LOXHD1, LPL, LRAT, LRP2, LRPPRC, LTBP4, LYST, MAK, MALT1, MAN2B1, MANBA, MCCC1, MCCC2, MCEE, MCOLN1, MCPH1, MED17, MEFV, MESP2, MFSD8, MID1, MKKS, MKS1, MLC1, MMAA, MMAB, MMACHC, MMADHC, MMUT, MOCS1, MOCS2, MPI, MPL, MPV17, MTHFD1, MTM1, MTRR, MTTP, MVK, MYO7A, NAGA, NAGLU, NAGS, NBAS, NBN, NCF2, NCF4, NDUFAF2, NDUFAF5, NDUFS4, NDUFS6, NDUFS7, NDUFV1, NEB, NEU1, NGLY1, NHEJ1, NIPAL4, NONO, NPC1, NPC2, NPHP1, NPHP3, NPHS1, NPHS2, NR0B1, NTRK1, OAT, OBSL1, OCA2, OCRL, OPA3, OSTM1, OTC, OTOF, P3H1, PAH, PANK2, PC, PCBD1, PCCA, PCCB, PCDH15, PDHA1, PDHB, PDHX, PDP1, PEX1, PEX10, PEX11B, PEX12, PEX13, PEX14, PEX16, PEX19, PEX2, PEX26, PEX3, PEX5, PEX6, PEX7, PFKM, PGM3, PHGDH, PHKA1, PHKA2, PHKB, PHKG2, PKHD1, PLA2G6, PLEKHG5, PLOD2, PLP1, PMM2, PNP, PNPLA1, PNPO, POLG, POLH, POMGNT1, POMT1, POMT2, POR, POU3F4, PPIB, PPT1, PRCD, PRDM5, PRF1, PRKDC, PROP1, PSAP, PTPRC, PTS, PUS1, PYCR1, PYGM, QDPR, RAB23, RAG1, RAG2, RAPSN, RARS2, RD3, RDH12, RFX5, RFXANK, RFXAP, RLBP1, RMRP, RNASEH2A, RNASEH2B, RNASEH2C, RP2, RPE65, RPGR, RPGRIP1, RPGRIP1L, RPS6KA3, RS1, SACS, SAMHD1, SCO2, SDCCAG8, SDR9C7, SELENON, SEPSECS, SERPINF1, SGCA, SGCB, SGCD, SGCG, SGSH, SKIV2L, SLC12A1, SLC12A6, SLC16A2, SLC17A5, SLC19A3, SLC22A5, SLC25A13, SLC25A15, SLC25A20, SLC26A2, SLC26A4, SLC27A4, SLC2A10, SLC35A3, SLC37A4, SLC39A4, SLC46A1, SLC4A11, SLC6A8, SLC7A7, SMARCAL1, SMN1, SMPD1, SP110, SPATA7, SPG11, SPG21, STAR, STK4, STX11, STXBP2, SUMF1, SUOX, SURF1, SYNE4, TAT, TAFAZZIN, TCIRG1, TCTN1, TCTN2, TCTN3, TECPR2, TF, TGM1, TH, TK2, TMEM138, TMEM216, TMEM231, TMEM237, TMEM38B, TMEM67, TMEM70, TNFSF11, TNXB, TPP1, TRAPPC11, TRIM32, TRMU, TSEN2, TSEN34, TSEN54, TSFM, TTC37, TTC7A, TTC8, TTPA, TULP1, TYMP, TYR, UNC13D, UNG, USH1C, USH1G, USH2A, VLDLR, VPS13A, VPS13B, VPS45, VPS53, VRK1, WAS, WHRN, WNT1, WRN, XPA, XPC, ZAP70, ZBTB24 and ZNF469.</p>
<b>Performing Labcorp Test Code</b>	481893
<b>Notes</b>	<b>Clinical Questionnaire for Inheritest® Carrier Screen and GeneSeq® PLUS</b>
<b>Lab Section</b>	Reference Lab