



Comparison of US Labs Offering Genetic Testing for Autoinflammatory Diseases

LABORATORY	MNG Labs	Fulgent	Invitae	Invitae	Blueprint Genetics	Prevention Genetics	ARUP Labs or GeneDX
TEST PANEL ORDERING INFO	Fever Syndromes NGS319	Periodic Fever/Autoinflammatory NGS Panel	Primary Immuno-deficiency Panel 08100	Autoinflammatory Syndrome Panel 08120	Autoinflammatory Syndrome Panel or PI panel*	Periodic Fever Syndromes Sequencing Panel	Periodic Fever Syndromes Panel
BILLING INFO & COST (as of 3/18)	\$1995 contracts w/institutions Self-pay option	\$ price unlisted Bills insurance Self pay options & pt. assistance	\$250 Pt. self-pay. Bills insurance. \$100 Max pt. co-pay w/ insurance	\$250 Pt. self-pay. Bills insurance. \$100 Max pt. co-pay w/ insurance	\$1400 Bills insurance Financial assistance for patients	\$1440 Bills insurance	\$ price unlisted Bills insurance
DISEASES TESTED	36	28	207	26	32 or 274*	13	7
AUTOINFLAMMATORY GENES IN THE PANEL	MEFV, LPIN2, MVK, NLRP3, PSTPIP1, NOD2, TNFRSF1A, CARD14, CECR1, NLRP12, PLCG2, PSMB8, IL1RN, IL36RN, IL10, IL10RA & RB, TMEM173, TNFRSF11A, NLRP7, SH3BP2, SLC29A3.	MEFV, LPIN2, MVK, NLRP3, PSTPIP1, NOD2, TNFRSF1A, CARD14, CECR1, NLRC4, PLCG2, NLRP12, PSMB8, NLRP1, PLCG2, IL1RN, IL36RN, IL10, IL10RA & RB, TMEM173, TNFRSF11A, NLRP7, SH3BP2, SLC29A3.	MEFV, LPIN2, MVK, NLRP3, PSTPIP1, CECR1, TNFRSF1A, CARD14, NLRC4, NLRP12, NOD2, PSMB8, PLCG2, TRNT1, RBCK1, IL1RN, IL36RN, IL10, IL10RA & RB, SH3BP2, SLC29A3, COPA, AND TMEM173, ACP5, TREX1, ADAR, XIAP, SAMHD1, IFIH1, RNASEH2(A,B,& C), PRF1, STX11, STXBP2, RAB27A, UNC13D, SH2D1A, SH3BP2, ELANE, NFAT5, ADAM17. + FULL PI PANEL, ALPS, HLH, IBD	MEFV, LPIN2, MVK, NLRP3, PSTPIP1, CECR1, TNFRSF1A, CARD14, NLRC4, NLRP12, NOD2, PSMB8, PLCG2, TRNT1, RBCK1, IL1RN, IL36RN, IL10, IL10RA & RB, SH3BP2, SLC29A3, COPA. ELANE, NFAT5, ADAM17. Missing: TNFAIP3, LYN, ACP5, TNFRSF11A, NLRP1 on both invitae panels.	MEFV, LPIN2, MVK, NLRP3, PSTPIP1, NOD2, TNFRSF1A, CARD14, NLRP12, PLCG2, PSMB8, IL1RN, IL36RN, ACP5, TMEM173, TREX1, ADAR, RNASEH2(A,B,& C), SAMHD1, IFIH1, OTULIN, TNFAIP3, NLRC4, NLRP1, SLC29A3. ELANE, DDX58, ISG15, PSENEN, TRNT1. Missing: CECR1*, XIAP*, IL10*, IL10RA* & RB*, *all inc. w/ their 274 gene PI, & 308 gene Pi/PCD panel; TNFRSF11A, LYN.	MEFV, LPIN2, MVK, NLRP3, PSTPIP1, NOD2, TNFRSF1A, CARD14, CECR1, NLRP12, PSMB8, IL36RN, TNFAIP3. ELANE Missing: NLRP1, ACP5, IL1RN, LYN, TMEM173, TREX1, ADAR, NLRC4, RNASEH2(A,B,& C), SAMHD1, IFIH1, OTULIN, SLC29A3, XIAP, TNFRSF11A, COPA.	MEFV, LPIN2, MVK, NLRP3, PSTPIP1, TNFRSF1A. ELANE Missing: CARD14, CECR1, NLRP12, PLCG2, PSMB8, IL1RN, IL36RN, IL10, IL10RA & RB, TMEM173, TNFRSF11A, SLC29A3, NLRP1, ACP5, LYN, XIAP, TMEM173, TREX1, ADAR, NLRC4, SAMHD1, IFIH1, RNASEH2(A,B,& C), OTULIN, COPA.
OTHER GENES IN THE PANEL	ELANE, RBCK1, GCH1, FOXP3, HTR1A, NEFL, ORAI1, TAM2, SLC19A3, IMD9, SCO2, SLC25A19, TLR3, TPK1, TRAF3, TRAF3IP2. Missing: LYN, NLRP1, OTULIN, XIAP, TNFAIP3, COPA.	ELANE, RBCK1, HAX1, AP153. Missing: TNFAIP3, LYN, ACP5, XIAP, COPA.					