

# Labcorp® Plasma Complete™ gene list

Labcorp Plasma Complete is a liquid biopsy test for patients with advanced solid tumors. It evaluates 521 genes to inform therapy selection and reports four major classes of genomic alterations: SNVs and indels in 521 genes, amplification for 12 genes and translocations associated with 12 genes, as well as microsatellite instability (MSI) status.

DNA sequencing of 521 genes (entire coding exonic regions) for detection of SNVs and indels															
ABL1	BAP1	CCND2	CTC1	EPCAM	FANCF	FZD2	HLA-B	KDM6A	MED12	NKX3-1	PHF6	PTPN11	RPTOR	STAG2	TSC2
ABL2	BARD1	CCND3	CTCF	EPHA2	FANCG	FZD3	HLA-C	KDR	MEF2B	NOTCH1	PHOX2B	PTPRD	RUNX1	STAT3	TSHR
ACVR1	BAX	CCNE1	CTLA4	EPHA3	FANCI	FZD4	HNF1A	KEAP1	MEN1	NOTCH2	PIK3C2B	PTPRT	RUNX1T1	STK11	TYRO3
ACVR1B	BBC3	CD22	CTNNA1	EPHA5	FANCL	FZD5	HOXB13	KEL	MERTK	NOTCH3	PIK3C2G	RAC1	SDHA	STN1	U2AF1
ACVR2A	BCL10	CD274	CTNNB1	EPHB1	FANCM	FZD6	HRAS	KIT	MET	NOTCH4	PIK3C3	RAD21	SDHAF2	SUFU	UBE2T
ADORA2A	BCL2	CD276	CUL3	EPHB4	FAS	FZD7	HSP90AA1	KLF4	MITF	NPM1	PIK3CA	RAD50	SDHB	SUZ12	VEGFA
AHCTF1	BCL2L1	CD70	CUL4A	ERBB2	FAT1	FZD8	HUWE1	KMT2A	MLC1	NRAS	PIK3CB	RAD51	SDHC	SYK	VHL
AKT1	BCL2L11	CD79A	CXCR2	ERBB3	FBXW7	FZD9	ID3	KMT2B	MLH1	NSD1	PIK3CD	RAD51B	SDHD	TAF1	VTCN1
AKT2	BCL2L2	CD79B	CXCR4	ERBB4	FGF10	GABRA6	IDH1	KMT2C	MLH3	NSD2	PIK3CG	RAD51C	SETBP1	TBX3	WAS
AKT3	BCL6	CDC73	CYLD	ERCC1	FGF12	GATA1	IDH2	KMT2D	MPL	NSD3	PIK3R1	RAD51D	SETD2	TCF3	WEE1
ALB	BCOR	CDH1	CYP17A1	ERCC2	FGF14	GATA2	IGF1	KRAS	MRE11A	NTRK1	PIK3R2	RAD52	SF3B1	TCF7L2	WRN
ALK	BCORL1	CDK12	DAXX	ERCC3	FGF19	GATA3	IGF1R	LATS1	MSH2	NTRK2	PIK3R3	RAD54L	SGK1	TEK	WT1
ALMS1	BCR	CDK2	DDIT3	ERCC4	FGF23	GATA4	IGF2	LATS2	MSH3	NTRK3	PIM1	RAF1	SH2D1A	TEN1	XIAP
ALOX12B	BIRC3	CDK4	DDR1	ERCC5	FGF3	GATA6	IGF2R	LRP1B	MSH6	NUP93	PLCG2	RARA	SHLD1	TERC	XPA
AMER1	BIRC5	CDK6	DDR2	ERCC6	FGF4	GLI1	IKBKE	LTK	MST1R	NUTM1	PMAIP1	RASA1	SLFN11	TERT	XPC
APC	BLM	CDK8	DICER1	ERCC8	FGF6	GNA11	IKZF1	LYN	MTAP	PAK1	PMS1	RB1	SLX4	TET1	XPO1
AR	BMP1	CDKN1A	DIS3	ERG	FGFR1	GNA13	IL10	LZTR1	MTOR	PAK7	PMS2	RBM10	SMAD2	TET2	XRCC1
ARAF	BMPR1A	CDKN1B	DNMT1	ERRF1	FGFR2	GNAQ	IL6ST	MAD2L2	MUTYH	PALB2	POLD1	RECQL4	SMAD3	TGFBR1	XRCC2
ARID1A	BRAF	CDKN2A	DNMT3A	ESR1	FGFR3	GNAS	IL7R	MAF	MYB	PARG	POLE	REL	SMAD4	TGFBR2	XRCC3
ARID1B	BRCA1	CDKN2B	DNMT3B	ETV1	FGFR4	GPC3	INHBA	MALT1	MYC	PARK2	POLG	RET	SMARCA4	TLR4	XRCC4
ARID2	BRCA2	CDKN2C	DOT1L	ETV4	FH	GPR124	INPP4B	MAML1	MYCL	PARP1	POLQ	REV3L	SMARCB1	TLR7	XRCC5
ARID5B	BRD4	CEBPA	E2F3	ETV5	FLCN	GREM1	INSR	MAP2K1	MYCN	PARP2	PPARG	RFC1	SMC3	TLR8	XRCC6
ASXL1	BRD7	CHEK1	EED	ETV6	FLI1	GRIN2A	IRF2	MAP2K2	MYD88	PAX5	PPM1D	RHEB	SMO	TLR9	YAP1
ASXL2	BRIP1	CHEK2	EEF1A1	EWSR1	FLT1	GSK3B	IRF4	MAP2K4	MYOD1	PAX8	PPP2R1A	RHOA	SOCS1	TMPRSS2	YES1
ATM	BTG1	CIC	EGFR	EXO1	FLT3	H3F3A	IRS1	MAP3K1	NBEA	PAXIP1	PPP2R2A	RICTOR	SOX10	TNFAIP3	ZNF217
ATR	BTG2	CREBBP	EIF1AX	EZH2	FLT4	H3F3C	IRS2	MAP3K13	NBN	PBRM1	PPP6C	RIF1	SOX17	TNFRSF14	ZRSR2
ATRX	BTK	CRKL	EIF4E	FAM175A	FOXA1	HDAC1	JAK1	MAPK1	NCOA3	PDCD1	PRDM1	RIT1	SOX2	TOP1	
AURKA	CALR	CRLF2	ELF3	FAM35A	FOXL2	HDAC2	JAK2	MAPK3	NCOR1	PDCD1LG2	PREX2	RNF43	SOX9	TOP2A	
AURKB	CARD11	CRTC1	EML4	FAM46C	FOXO1	HDAC6	JAK3	MAX	NF1	PDGFRA	PRKAR1A	ROS1	SPOP	TP53	
AXIN1	CASP8	CSF1	EMSY	FANCA	FOXP1	HGF	JUN	MCL1	NF2	PDGFRB	PRKDC	RPA1	SPTA1	TP53BP1	
AXIN2	CBFB	CSF1R	EP300	FANCC	FUBP1	HIST1H1C	KAT6A	MDC1	NFE2L2	PDK1	PTCH1	RPS6KA3	SRC	TP63	
AXL	CBL	CSF2	EP400	FANCD2	FZD1	HIST1H3B	KDM5A	MDM2	NFKBIA	PDPK1	PTEN	RPS6KA4	SRCAP	TRAF3	
B2M	CCND1	CSF3R	EPAS1	FANCE	FZD10	HLA-A	KDM5C	MDM4	NKX2-1	PGR	PTK2	RPS6KB2	SRSF2	TSC1	

# Labcorp<sup>®</sup> Plasma Complete<sup>™</sup> gene list

DNA sequencing of 12 genes for detection of amplifications											
CCND1	CDK4	FGF19	FGF3	FGF4	FGFR1	MDM2	MYC	EGFR	ERBB2	MET	CD274
DNA sequencing of 12 genes associated with translocations											
BRAF	NTRK1	NTRK2	NTRK3	TMPRSS2	ALK	FGFR2	FGFR3	EWSR1	RET	ROS1	ETV6
Genomic signatures											
MSI status											

Please direct any questions regarding this test to the Labcorp clinical support team at [MedOncSupport@Labcorp.com](mailto:MedOncSupport@Labcorp.com) or at 800-781-1259.