ARCHER®
VARIANTPlex®
Myeloid Kit

The Archer® VariantPlex® Myeloid panel is a 75-gene targeted sequencing panel for AML, MPN, MDS and some Lymphoid malignancy markers. Powered by Anchored Multiplex PCR (AMP™) chemistry, the panel enables deep strand-specific amplification of molecular barcoded DNA fragments for sequencing.

Highlights

Complex mutation detection
Superior coverage & bioinformatics enable detection of traditionally difficult regions like CEBPA & FLT3-ITDs

Sensitive & robust variant detection
Molecular barcodes enable deduplication & error correction for confident variant calls

Quantitative
Molecular barcode-enabled, robust and accurate CNV calling

Lyophilized workflow
Reduce turn-around time and eliminate master mixes

Specifications

75	≥10ng	3M
Gene targets	Input nucleic acid required*	Recommended # of reads
2.5h	1 day	Illumina®
Hands-on time	Total time	Platform

*Input recommendations for FFPE samples vary depending on Archer Preseq® DNA QC score; 50ng input recommended in absence of PreSeq screening

Gene targets

Gene	Gene	Gene	Gene	Gene	Gene	Gene
ABL1 ◆	CBLC ◆	ETNK1 ◆	IKZF1 ◆ ▦	MYD88 ◆	RBBP6 ◆	TET2 ◆ ▦
ANKRD26 ◆	CCND2 ◆	ETV6 ◆ ▦	JAK2 ◆	NF1 ◆ ▦	RUNX1 ◆ ▦	TP53 ◆ ▦
ASXL1 ◆ ▦	CDKN2A ◆ ▦	EZH2 ◆	JAK3 ◆	NOTCH1 ◆	SETBP1 ◆	U2AF1 ◆ ▦
ATRX ◆	CEBPA ◆	FBXW7 ◆	KDM6A ◆ ▦	NPM1 ◆	SF3B1 ◆	U2AF2 ◆
BCOR ✳ ◆ ▦	CSF3R ◆	FLT3 ✳ ◆ ▦	KIT ◆	NRAS ◆	SH2B3 ◆	WT1 ◆ ▦
BCORL1 ◆	CUX1 ◆ ▦	GATA1 ◆	KMT2A ◆	PDGFRA ◆	SLC29A1 ◆	XPO1 ◆
BRAF ◆	CXCR4 ◆	GATA2 ◆	KRAS ◆	PHF6 ◆	SMC1A ◆	ZRSR2 ◆ ▦
BKT ◆	DCK ◆	GNAS ◆	LUC7L2 ◆ ▦	PPM1D ◆	SMC3 ◆	
CALR ◆	DDX41 ◆	HRAS ◆	MAP2K1 ◆	PTEN ◆	SRSF2 ◆	
CBL ◆ ▦	DHX15 ◆	IDH1 ◆	MPL ◆	PTPN11 ◆	STAG2 ◆	
CBLB ◆	DNMT3A ◆	IDH2 ◆	MYC ▦	RAD21 ◆ ▦	STAT3 ◆	

Legend
◆ SNV or indel
▦ CNV
✳ Internal tandem duplication (ITD)

Product information

Illumina

AB0108 — 8 reactions
AB0109 — 16-reaction starter

One size ~~fits~~ *does not* fit all.

Want to customize? Combine any of hundreds of wet lab-validated designs or modify an existing Archer panel with **Archer Assay Designer**, the premiere online design tool to build an assay that fits your exact requirements.

Learn more at archerdx.com/blood

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