

# 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

Gene targets

≥10ng

Input nucleic acid required\*

3M

Recommended # of reads

2.5h

Hands-on time

1 day

Total time

Illumina®

Platform

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

# Gene targets

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 <sup>does not</sup> fits 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](http://archerdx.com/blood)



**RUO** For research use only. Not for use in diagnostic procedures.

©2018 ArcherDX, Inc. All rights reserved. Archer®, VariantPlex®, PreSeq® and AMP™ are trademarks of ArcherDX, Inc. Illumina® is a registered trademark of Illumina, Inc.

APM058.A