

ARCHER® VARIANTPlex® Core Myeloid Kit



The Archer® VariantPlex® Core Myeloid panel is a 37-gene targeted sequencing panel for critical AML, MPN and MDS markers. Powered by Anchored Multiplex PCR (AMP™) chemistry, the panel enables deep strand-specific amplification of molecular barcoded DNA fragments for sequencing.

Highlights



Quantitative

Molecular barcode-enabled, robust and accurate CNV calling



Sample versatility

Purpose-built for low-input FFPE samples



Complex mutation detection

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



Lyophilized workflow

Reduce turn-around time and eliminate master mixes

Specifications

37

Gene targets

≥10ng

Input nucleic acid required*

1.5M

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	CEBPA	DDX41	KRAS	SETBP1	WT1
ANKRD26	CSF3R	GATA1	MPL	SF3B1	ZRSR2
ASXL1	DNMT3A	GATA2	NPM1	SRSF2	
BCOR	ETNK1	IDH1	NRAS	STAG2	
BRAF	ETV6	IDH2	PHF6	TET2	
CALR	EZH2	JAK2	PTPN11	TP53	
CBL	FLT3	KIT	RUNX1	U2AF1	

Legend

- ◆ SNV or indel
- ◆ CNV
- * Internal tandem duplication (ITD)

Product information

Illumina

AB0100 — 8 reactions

AB0101 — 16-reaction starter

AB0102 — 48 reactions



One size ^{does not} 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.

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