

ARCHER® **FUSIONPlex**® Myeloid Kit



The Archer® FusionPlex® Myeloid Kit is a targeted next-generation sequencing assay to detect and identify fusions, point mutations and expression levels from 84 genes associated with myeloid-origin malignancies. Using Archer's proprietary Anchored Multiplex PCR (AMP™)-based enrichment, fusions can be identified, even without prior knowledge of fusion partners or breakpoints. Additionally, select genes are targeted for molecular barcode-enabled relative expression level detection and point mutation coverage.

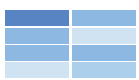
Highlights



Extensive gene list
Detect known and novel fusions associated with myeloid malignancies



Future-proof
Add targets without sacrificing sample performance



Expression profiling
Molecular barcode-enabled expression detection for select genes



Lyophilized workflow
Reduce turn-around time and eliminate master mixes

Specifications

84

Gene targets

≥10ng

Input nucleic acid required*

1.5M

Recommended # of reads

2.5h

Hands-on time

9h

Total time

Illumina® & Ion Torrent™

Platforms

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

Gene targets

ABL1	CREBBP	FGFR2	IRF4	MLLT4	NUP214	RUNX1
AKT3	CSF1R	FGFR3	IRF8	MLLT10	PDCD1	RUNX1T1
ASXL1	CSF3R	FLT3	JAK1	MPL	PDCD1LG2	SETBP1
BCR	CTLA4	GATA1	JAK2	MUC1	PDGFRA	SETD2
BRAF	DCK	GATA2	JAK3	MYC	PDGFRB	SF3B1
CALR	DNM2	GLIS2	KAT6A	MYD88	PHF6	SLC29A1
CBFB	DNMT3A	GNAS	KDM6A	MYH11	PICALM	SRSF2
CBL	ERG	ID4	KIT	NF1	PML	TCF3
CD274	ETV6	IDH1	KMT2A	NOTCH1	PTPN11	TFG
CEBPA	EZH2	IDH2	KRAS	NPM1	RARA	U2AF1
CHD1	FBXW7	IKZF1	MECOM	NRAS	RBM15	WT1
CHIC2	FGFR1	IKZF3	MKL1	NUP98	ROS1	XPO1

Legend
 ◆ SNV or indel
 ■ Expression
 ● Fusion, splicing or exon skipping

Product information

Illumina

AB0015 — 8 reactions
 AB0037 — 16-reaction starter
 AB0067 — 48 reactions

Ion Torrent

AB0016 — 8 reactions
 AB0038 — 16-reaction starter
 AB0068 — 48 reactions



One size ^{does not} fits ~~all~~.

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