

ARCHER® **FUSIONPlex**® Heme v2 Kit



The Archer® FusionPlex® Heme v2 Kit is an RNA-based targeted sequencing assay that detects and identifies fusions of 87 genes associated with hematological malignancies. Using Archer's proprietary Anchored Multiplex PCR (AMP™)-based enrichment, fusions of all genes in this kit can be identified in a single sequencing assay, 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.

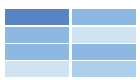
Highlights



Powerful fusion detection
Detect known & novel fusions in myeloid and lymphoid malignancies



Future-proof
Add targets without sacrificing sample performance



Expression profiling
Molecular barcode-enabled relative expression level detection in select genes



Lyophilized workflow
Reduce turn-around time and eliminate master mixes

Specifications

87

Gene targets

≥10ng

Input nucleic acid required*

2M

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	CD274	CTLA4	IKZF2	MLLT10	PDCD1	SEMA6A
ABL2	CDK6	DEK	IKZF3	MUC1	PDCD1LG2	SETD2
ALK	CDKN2A	DUSP22	IRF4	MYC	PDGFRA	STIL
BCL11B	CEBPA	EBF1	IRF8	MYH11	PDGFRB	TAL1
BCL2	CEBPD	EIF4A1	JAK2	NF1	PICALM	TCF3
BCL3	CEBPE	EPOR	KAT6A	NFKB2	PML	TFG
BCL6	CEBPG	ERG	KLF2	NOTCH1	PRDM16	TP63
BCR	CHD1	ETV6	KMT2A	NTRK3	PTK2B	TYK2
BIRC3	CHIC2	FGFR1	MALT1	NUP98	RARA	ZCCHC7
CBFB	CIITA	FOXP1	MECOM	NUP214	RBM15	
CCND1	CREBBP	GLIS2	MKL1	P2RY8	ROS1	
CCND2	CRLF2	ID4	MLF1	PAG1	RUNX1	
CCND3	CSF1R	IKZF1	MLLT4	PAX5	RUNX1T1	

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

Product information

Illumina

AB0011 — 8 reactions
 AB0033 — 16-reaction starter
 AB0063 — 48 reactions

Ion Torrent

AB0012 — 8 reactions
 AB0034 — 16-reaction starter
 AB0064 — 48 reactions



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